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Time Series of Oceanographic Bottle Stations along ICNAF Standard Sections

Jean Gagnon

April 1977



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MARINE ENVIRONMENTAL DATA SERVICE

Time Series of Oceanographic Bottle Stations along ICNAF Standard Sections

Jean Gagnon

DEPARTMENT OF THE ENVIRONMENT
OTTAWA, CANADA

MARINE ENVIRONMENTAL DATA SERVICE

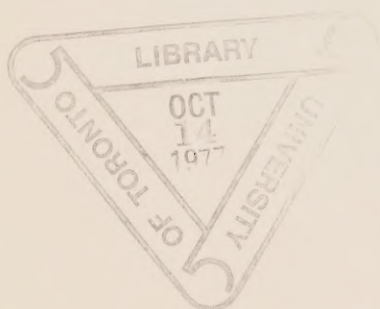
Time Series of Oceanographic Bottle Stations along
ICNAF Standard Sections

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DEPARTMENT OF THE ENVIRONMENT
OTTAWA CANADA

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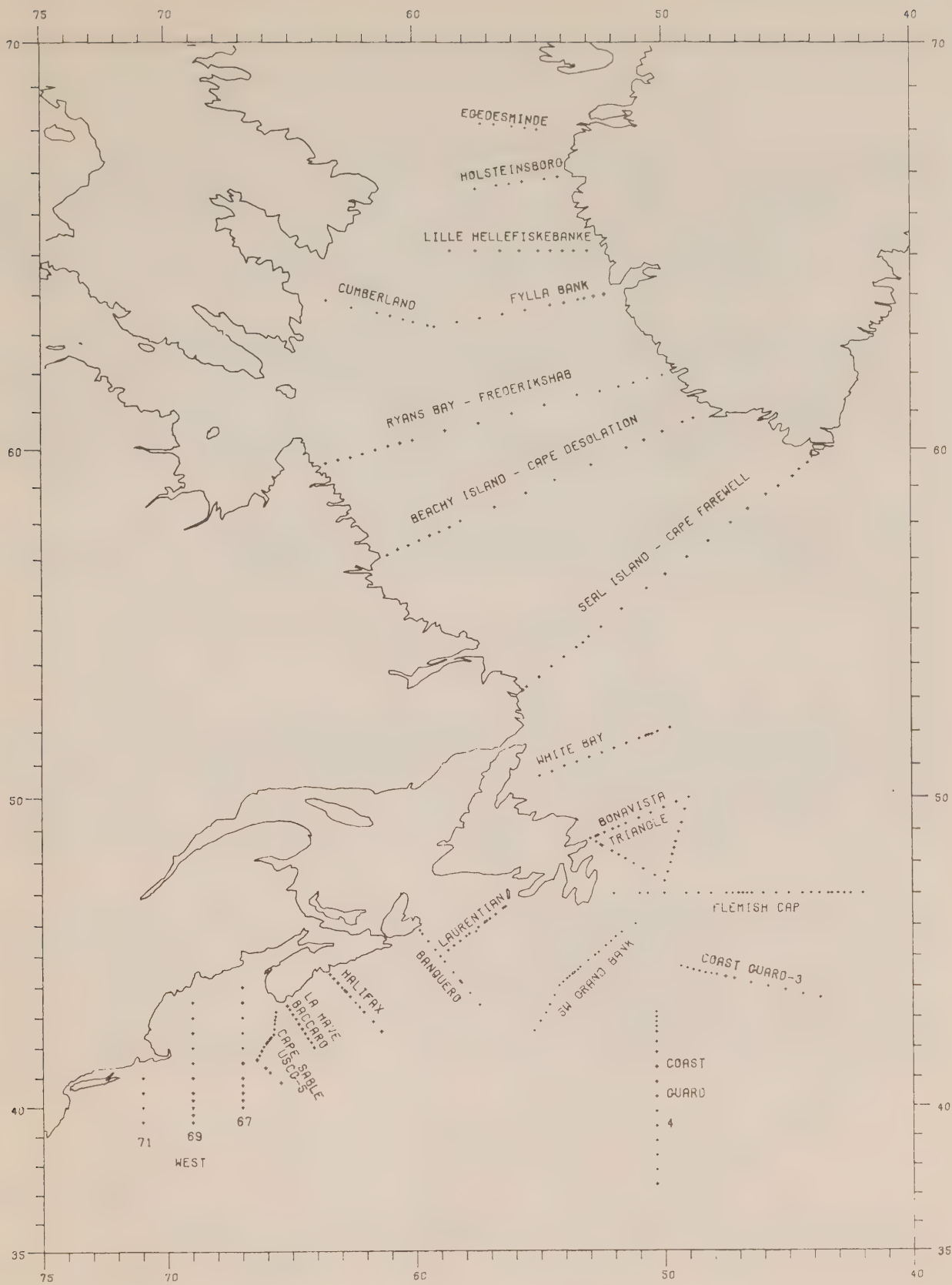


FIGURE 1: ICNAF STANDARD SECTION STATION POSITIONS

INTRODUCTION

This catalogue is a step toward the possible establishment of oceanographic base periods along standard sections¹ as defined by the International Commission for the Northwest Atlantic Fisheries (ICNAF) (Fig. 1). The spatial and temporal limits selected for display result from discussions held during the Third Meeting of the ICNAF Environmental Working Group held at Szczecin, Poland, in April 1976. Although only oceanographic bottle data are presented here, similar catalogues are being proposed for Bathythermograph and Salinity-Temperature-Depth (STD) observations presently within the MEDS databanks.

In 1973, the Marine Environmental Data Service (MEDS) was designated the regional data centre for physical oceanographic data for ICNAF. At the same meeting, MEDS was asked to investigate the feasibility of establishing oceanographic base periods within the ICNAF area. As a preliminary step in this investigation, MEDS set out to identify long time series of data in its databanks, and in particular along the ICNAF standard sections. This catalogue displays the time series of bottle data in areas immediately surrounding the ICNAF standard section station positions presently held at MEDS.

Bottle stations are normally sampled at standard² depths in the water column. Temperatures are usually measured by reversing thermometers, and salinities determined by salinometer or titration. Parameters such as oxygen, phosphates, silicates and other chemicals are measured less frequently.

DESCRIPTION

The spatial limit for each standard section was defined as the sum of circular areas with circle centres at each of the standard station positions and each radius no greater than one-half the linear distance to its nearest neighbour standard station position (Fig. 2). Hence, each circular area and section was independent in space. The computer subroutine used to screen the database was described in a MEDS publication³. Only the time series for the bottle stations within these sections are displayed. Station distribution outside these areas may also be found in previous MEDS publications.^{4,5}

The entire ICNAF area was divided (Fig. 2) in order that a reasonably clear indication of the spatial distribution of stations surrounding the sections could be made (Fig. 3). The plots of bottle station positions for each division were magnified to display better the station positions; however, only one position within the spatial limits of the "X" symbol could be represented. Hence, each location "X" indicates one or more oceanographic bottle stations. The straight lines define the border of one-degree limits of investigation surrounding the sections. Miller projection was used for all plots, thereby making some of the circles appear elliptic in shape. The digitized coastline at these scales is inaccurate and should not be used for computations.

The statistical presentation of the catalogue comprises:

Table 1: Histograms

A histogram for each section of the observation dates, in roughly two-week groupings, against the number of stations;

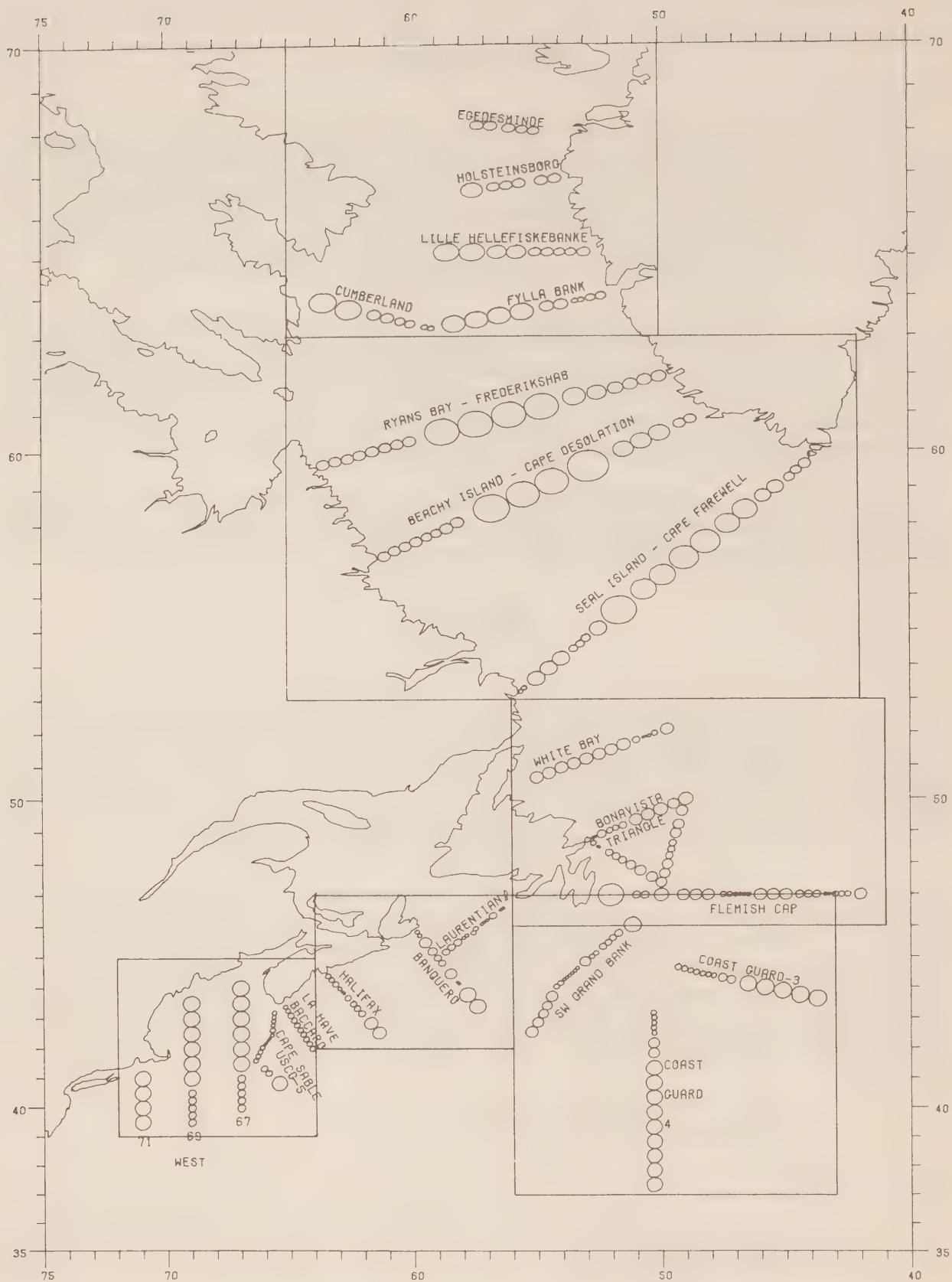


FIGURE 2: SPATIAL LIMITS AS DEFINED IN TEXT

Table 2: Matrices

A listing in matrix form of the occupations within each circle by month and year, beginning in 1930; and

Table 3: Sparse Observations

A listing of sparse observations composed of occupations prior to 1930, and of circles with less than 10 occupations during or recorded after 1930.

All observation dates for each section's circles were grouped and a histogram of the number of stations, i.e. sum of all circles, versus time interval (in days), independent of year, presented (Table 1). Some care is recommended in interpreting these histograms, as the yearly origin on a day scale is arbitrary and leap years are assumed for all years. This form of display, however, is still useful in identifying what period of the calendar year, in roughly bi-weekly groupings, that a particular section was sampled. Note also that one particular circle may bias this interpretation, as in the case of the proximity of Ocean Weather Station "BRAVO" (56.5°N, 51.0°W) to the Seal Island - Cape Farewell section.

Observation dates for each section were broken down into month-year matrices of station counts for frequent observations (Table 2) and a list was made of the sparse observations (Table 3). Firstly, a month-year matrix of station counts is presented for each circular area which contains 10 or more occupations with observation dates greater than or equal to 1930. None of the circles within the Egedesminde, Cumberland, White Bay, SW Grand Banks, and Laurentian sections satisfied the latter condition. Symbol "*" within any matrix indicates an overflow of more than nine (9) stations for a particular month for that year of observation. The "YEAR" column on the right-hand side is the sum of individual years for which at least one observation was made within that particular month, not counting the data prior to 1930. Secondly, data collected prior to 1930, as well as cases when less than 10 stations were found within any particular circular area during or following 1930, are listed for each section. Each circle is defined spatially and then the oceanographic station positions and their observation dates (day/month/year) are listed.

DISCUSSION

Although the original purpose of this catalogue was to try to locate long time series of oceanographic bottle stations along the ICNAF standard sections, it has also become increasingly useful in identifying datasets which are absent from the MEDS database.

The catalogue also indicates that not all data collected by the MEMBER countries of ICNAF has been submitted to MEDS, as evidenced by the total quantity of data for each section. The absence of data south of 40°N is due to MEDS previous policy of maintaining data only within the "Canadian Area of Interest".

A number of comments with regard to the distribution of stations follows:

Cumberland and Egedesminde sections show relatively few data. The Fylla Bank section has a peak sampling period at the end of April, and observation years concentrated in the 1960 decade. One circle (63.9667°N, 52.7333°W) of this section stands out with 22 individual years of occurrences in July, 15 of which are consecutive. The other West Greenland sections in this area show the same sampling peak, but on a smaller scale.

The Frederikshab section has peak sampling in early July, concentrated in the 1950 decade and the Beachy Island - Cape Desolation section shows relatively little data. The Seal Island - Cape Farewell section shows an early August sampling peak, concentrated in the 1950, late 1960 and early 1970 decades. Note that the station position plot (p. 9) indicates this section to have higher data concentration at more northerly latitudes. The Cape Farewell half of the section has sampling peak in July, concentrated in the 1950 and early 1960 decades. From the plot (p. 9) the circle at 56.1667°N, 50.6667°W dominates the section with high density data from 1968 to 1974 because of its proximity to OWS "BRAVO".

The station position plot (p. 10) shows relatively few data along the White Bay section, high concentrations within the Bonavista Triangle section and high concentrations along the central part of the Flemish Cap section (Flemish Pass). High concentrations along both a north and a south parallel line to the Flemish Cap section can also be seen. The Bonavista Triangle section has an early July sampling peak but also has good sampling throughout the April-to-July period as a whole, concentrated in the 1950 and early 1960 decades. Greater than 10 individual years of data in July for most circles is common. The Flemish Cap section has a dominant sampling peak in late July and a secondary peak in early April. Several circles contain over 20 individual years of observations for late July from 1951 through to 1973. Observations for 1960 and 1965 are absent from our databank but are reported in ICNAF Special Publication No. 10⁶.

Data sampling for coast guard sections 3 and 4 peak in early April and at the end of May, consistent with the U.S. International Ice Patrol Program. Concentration of data for Coast Guard-3 is generally from 1966 through 1973, but Coast Guard-4 shows a very inconsistent set of observation years. The SW Grand Banks section shows relatively no data.

Banquero and Laurentian are relatively sparse, with the former having a concentration of stations during the early 1950 decade. The Halifax section shows a high concentration for all months since 1950. February, May, August and November show peaks in sampling, with many of the circles containing 10 or more individual years of observations. The Halifax section as a whole shows the most balanced yearly high concentration of stations of all the ICNAF sections.

La Have - Baccaro and Cape Sable - Coast Guard-5 sections show relatively little data. Sections 67, 69 and 71 West show no sampling trends but small peaks in July, May-June, and July-August respectively.

REFERENCES

1. ICNAF circular letter 76/79.
2. Sverdrup, H.U. et al. The Oceans. Prentice Hall. Thirteenth Printing. November 1964, p.357.
3. Nasr, J. Circle: A Routine to Define the Stations within a Circle on the Surface of the Earth. July 1974, MEDS Tech. Note No. 4, p.8.
4. "Catalogue of Oceanographic Data Holdings". June 1974, MEDS.
5. "Distribution of Oceanographic Stations in the ICNAF Area, 1950-1959". September 1975, MEDS.
6. Templeman, W. Comparison of Temperatures in July-August Hydrographic Sections of the Eastern Newfoundland Area in 1972 and 1973 with those from 1951 to 1971. ICNAF Special Pub. No. 10: 17-31.

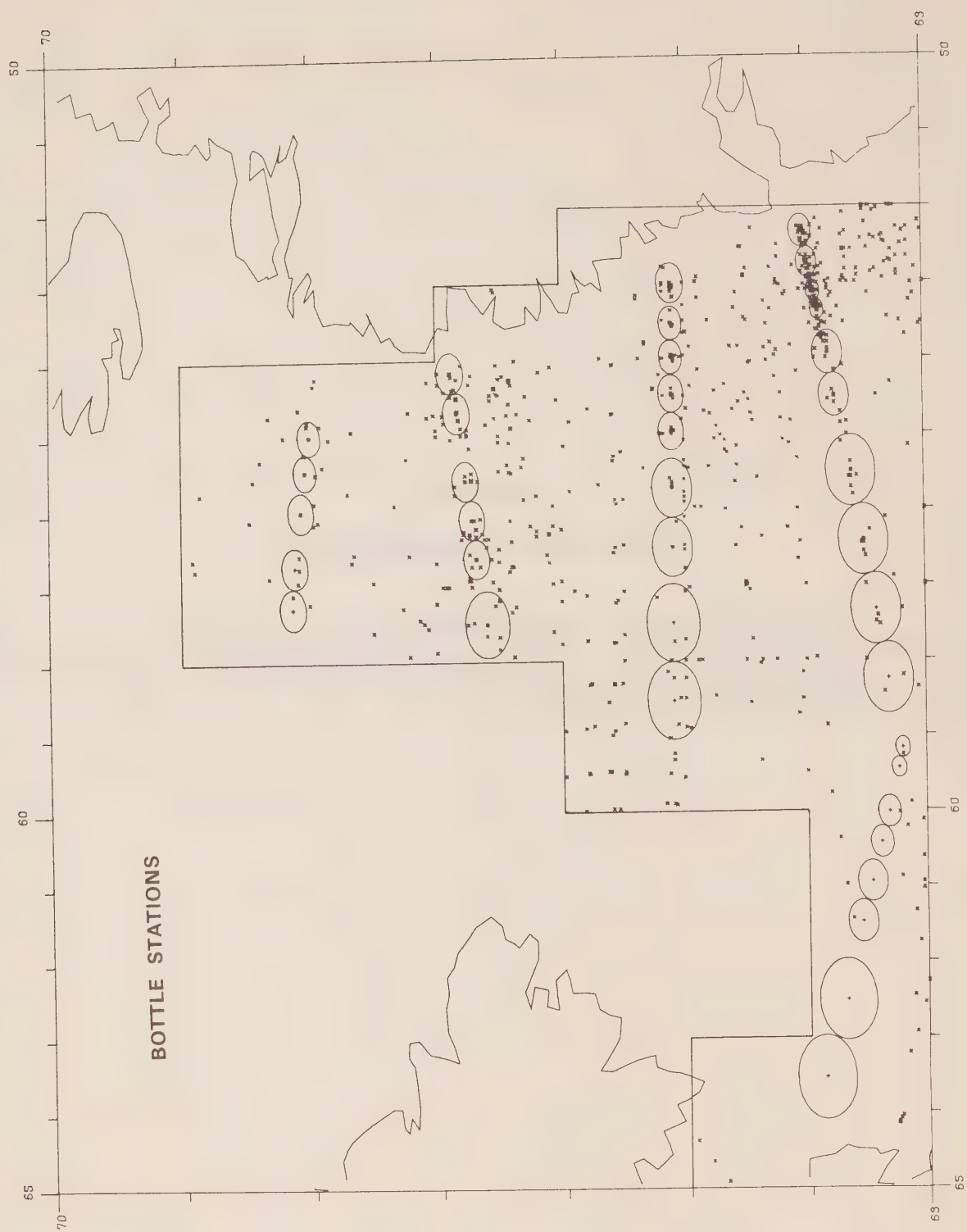
ACKNOWLEDGEMENTS

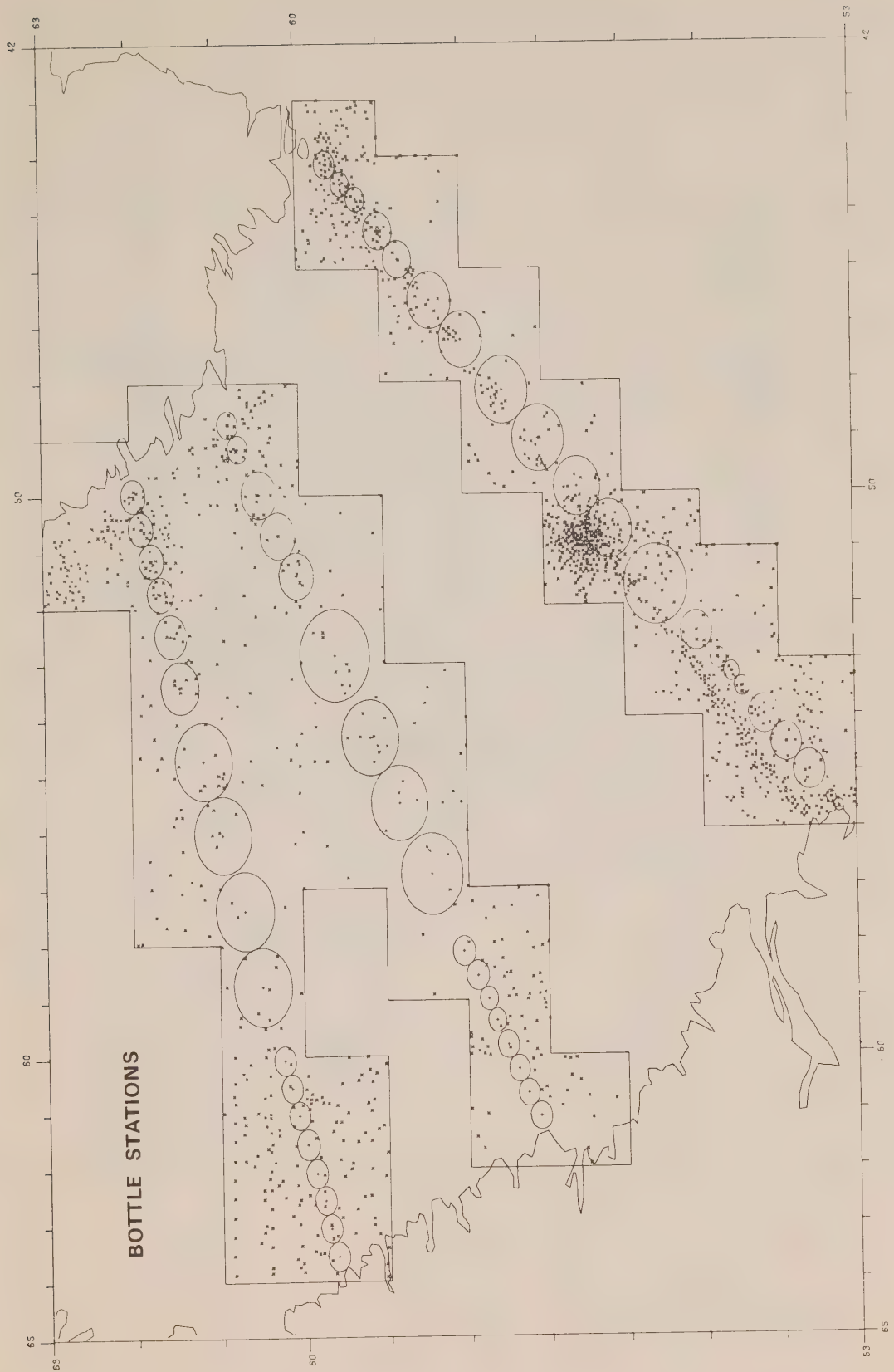
I would like to thank Dr. R. Trites for his suggestions as to temporal limits for the sections and Mr. F. Barber for his constructive criticisms.

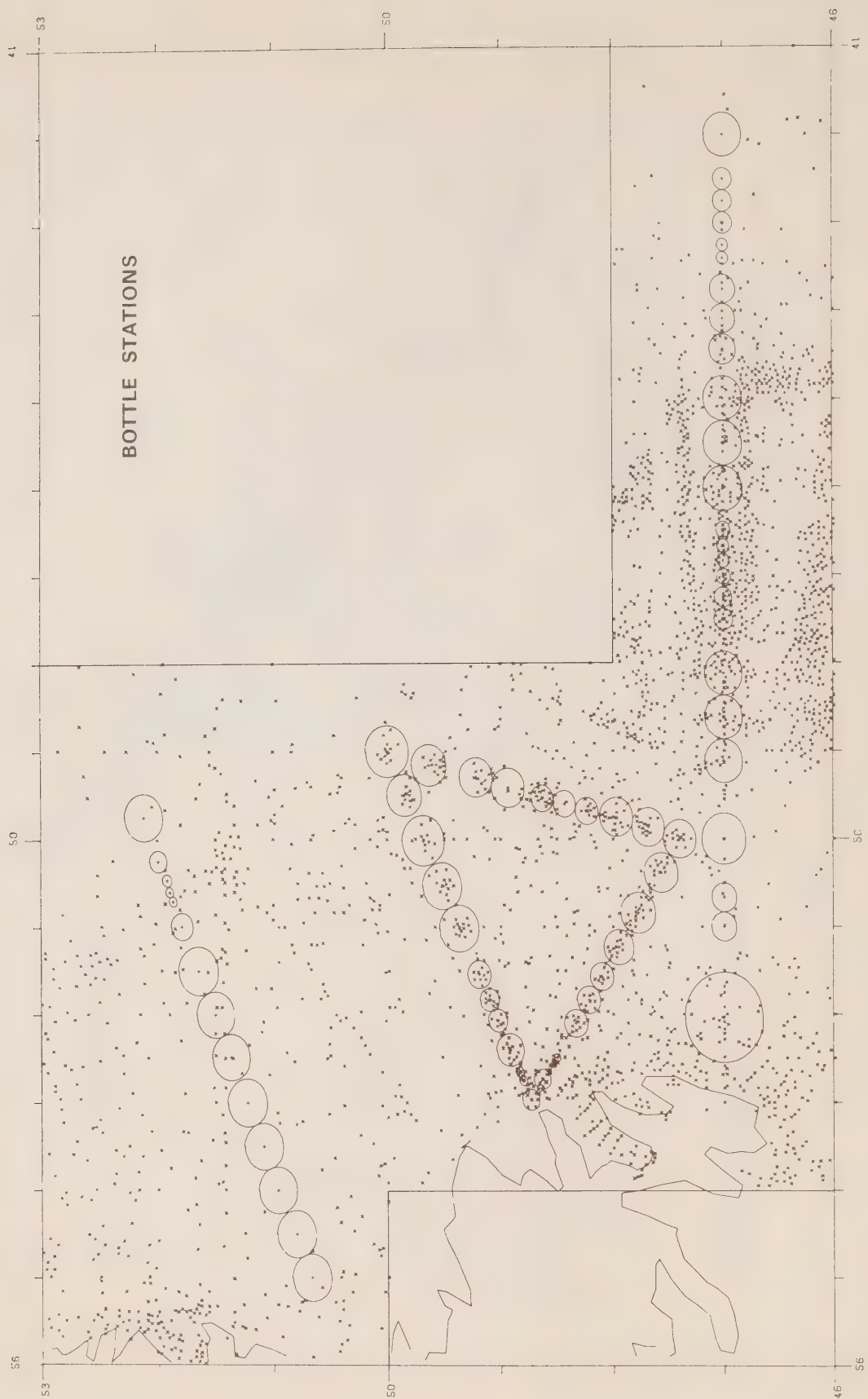
FIGURE 3

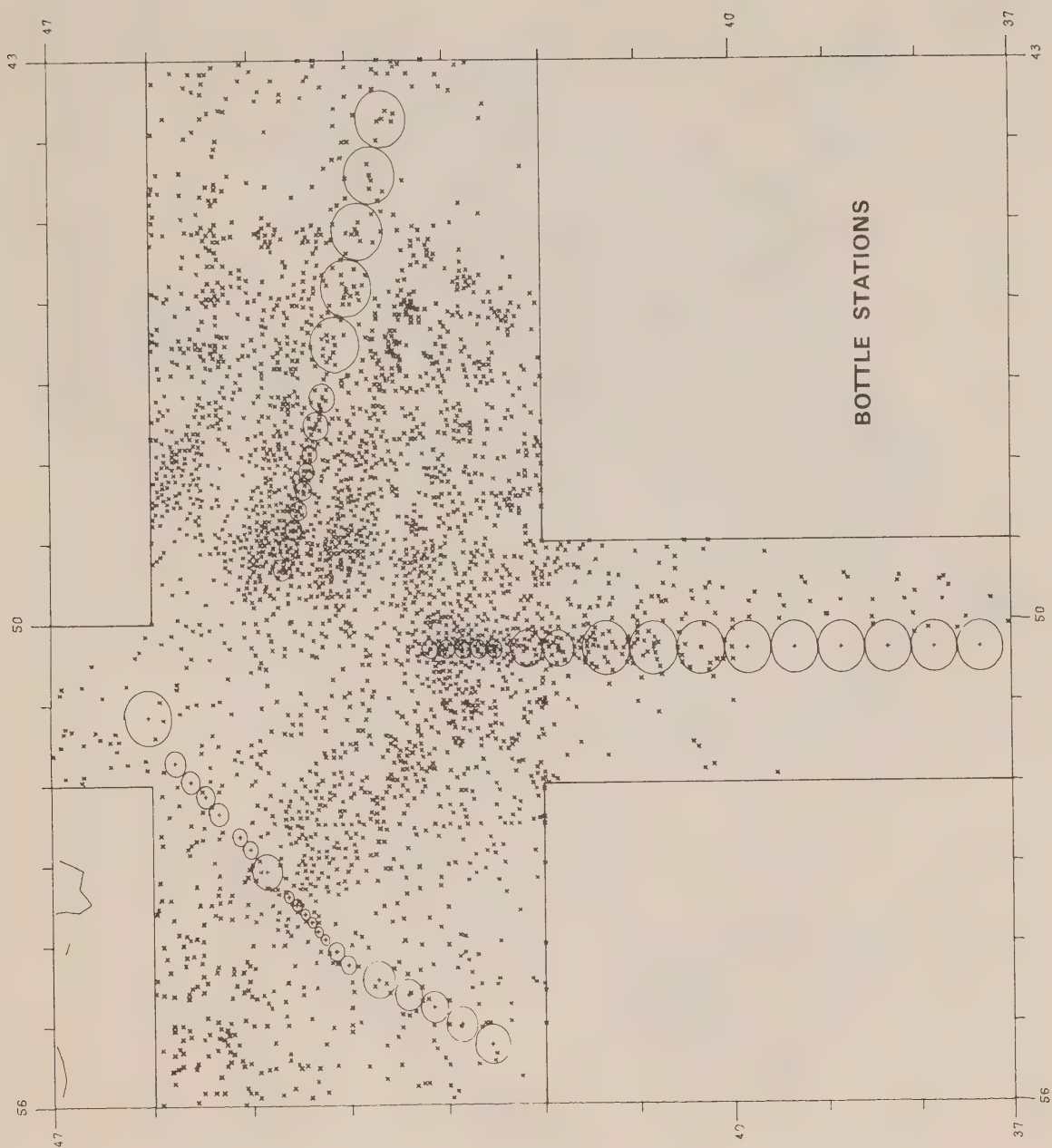
BOTTLE STATION POSITION PLOTS

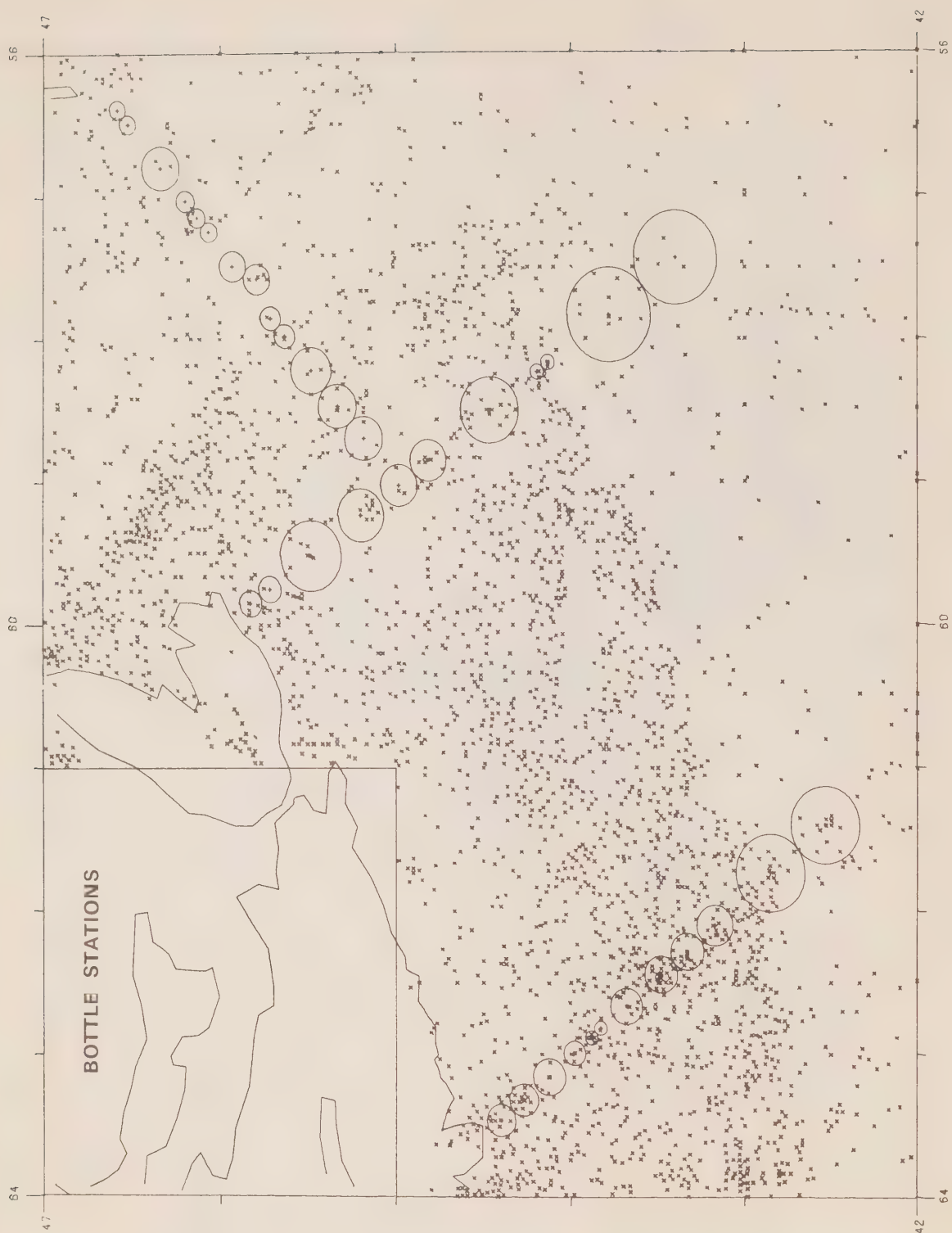
Illustrations at an expanded scale showing the distribution of bottle stations within the proximity of the ICNAF standard sections as derived from the available data now in MEDS. The crosses (X) indicate the existence of one or more stations. The area limitation used in the computer search of the databank is indicated by the straight line and the boundary of each illustration.











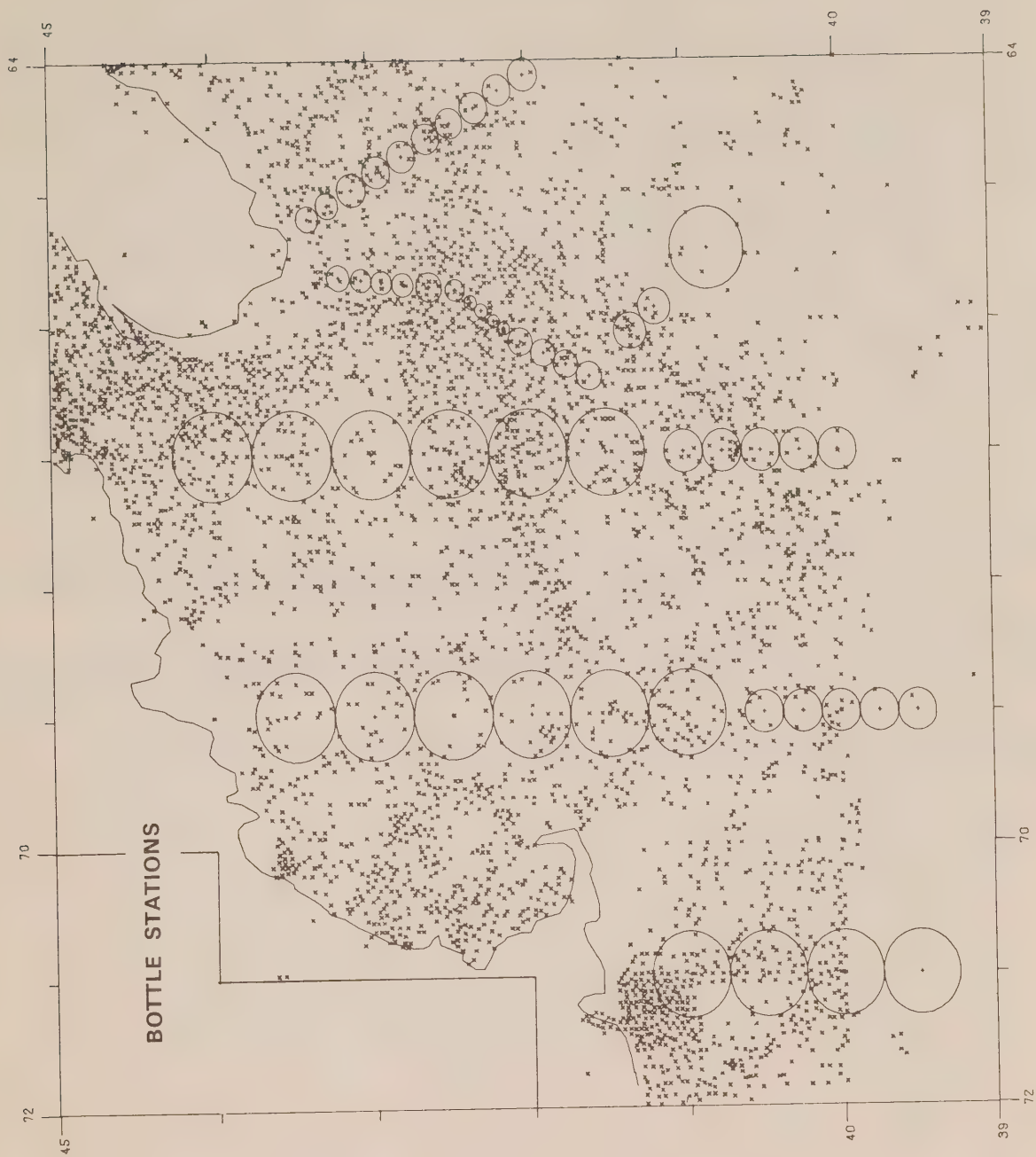


TABLE 1

HISTOGRAMS

A histogram presentation of the bottle stations occupied in each standard section, i.e. the sum of all stations within a section's circles in approximately two-week periods.

Bottle station date-times were converted to decimal days within a year having 366 days. These 366 days were broken down into 24 equal time intervals (roughly two weeks) and the counts of occurrences displayed for each interval.

The histograms follow a general order of presentation from north to south for each division of Fig. 2.

HOLSTEINSBORG SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	0
30.50- 45.75	0
45.75- 61.00	0
61.00- 76.25	0
76.25- 91.50	0
91.50-106.75	0
106.75-122.00	2 *****
122.00-137.25	0
137.25-152.50	1 ****
152.50-167.75	6 *****
167.75-183.00	0
183.00-198.25	16 *****
198.25-213.50	13 *****
213.50-228.75	4 *****
228.75-244.00	3 *****
244.00-259.25	0
259.25-274.50	1 ****
274.50-289.75	4 *****
289.75-305.00	8 *****
305.00-320.25	7 *****
320.25-335.50	5 *****
335.50-350.75	2 *****
350.75-366.00	0
TOTAL STATIONS	72

EGEDESMINDE SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	0
30.50- 45.75	0
45.75- 61.00	0
61.00- 76.25	0
76.25- 91.50	0
91.50-106.75	0
106.75-122.00	0
122.00-137.25	0
137.25-152.50	0
152.50-167.75	2 *****
167.75-183.00	0
183.00-198.25	0
198.25-213.50	4 *****
213.50-228.75	4 *****
228.75-244.00	0
244.00-259.25	0
259.25-274.50	0
274.50-289.75	0
289.75-305.00	0
305.00-320.25	0
320.25-335.50	0
335.50-350.75	1 *****
350.75-366.00	0
TOTAL STATIONS	11

FYLLA BANK SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	5 *****
30.50- 45.75	5 *****
45.75- 61.00	0
61.00- 76.25	10 *****
76.25- 91.50	8 *****
91.50-106.75	27 *****
106.75-122.00	51 *****
122.00-137.25	34 *****
137.25-152.50	4 *****
152.50-167.75	33 *****
167.75-183.00	17 *****
183.00-198.25	35 *****
198.25-213.50	31 *****
213.50-228.75	16 *****
228.75-244.00	7 *****
244.00-259.25	13 *****
259.25-274.50	2 **
274.50-289.75	19 *****
289.75-305.00	6 *****
305.00-320.25	7 *****
320.25-335.50	14 *****
335.50-350.75	4 *****
350.75-366.00	5 *****
TOTAL STATIONS	353

LILLE HELLEFISKEBANKE SECTION

DAYS	HISTOGRAM
0.00- 15.25	5 *****
15.25- 30.50	1 ***
30.50- 45.75	0
45.75- 61.00	0
61.00- 76.25	2 *****
76.25- 91.50	0
91.50-106.75	4 *****
106.75-122.00	24 *****
122.00-137.25	4 *****
137.25-152.50	5 *****
152.50-167.75	13 *****
167.75-183.00	7 *****
183.00-198.25	17 *****
198.25-213.50	18 *****
213.50-228.75	6 *****
228.75-244.00	4 *****
244.00-259.25	9 *****
259.25-274.50	0
274.50-289.75	8 *****
289.75-305.00	2 *****
305.00-320.25	10 *****
320.25-335.50	0
335.50-350.75	5 *****
350.75-366.00	0
TOTAL STATIONS	144

CUMBERLAND SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	0
30.50- 45.75	0
45.75- 61.00	0
61.00- 76.25	0
76.25- 91.50	0
91.50-106.75	0
106.75-122.00	0
122.00-137.25	0
137.25-152.50	0
152.50-167.75	0
167.75-183.00	1 *****
183.00-198.25	0
198.25-213.50	0
213.50-228.75	0
228.75-244.00	0
244.00-259.25	2 *****
259.25-274.50	0
274.50-289.75	0
289.75-305.00	0
305.00-320.25	0
320.25-335.50	0
335.50-350.75	0
350.75-366.00	0
TOTAL STATIONS	3

RYANS BAY - FREDERIKSHAB SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	0
30.50- 45.75	3 ***
45.75- 61.00	4 ****
61.00- 76.25	5 *****
76.25- 91.50	22 *****
91.50-106.75	20 *****
106.75-122.00	9 *****
122.00-137.25	19 *****
137.25-152.50	14 *****
152.50-167.75	6 *****
167.75-183.00	7 *****
183.00-198.25	63 *****
198.25-213.50	21 *****
213.50-228.75	13 *****
228.75-244.00	12 *****
244.00-259.25	2 **
259.25-274.50	8 *****
274.50-289.75	4 ****
289.75-305.00	0
305.00-320.25	2 **
320.25-335.50	5 *****
335.50-350.75	4 ****
350.75-366.00	0
TOTAL STATIONS	243

BEACHY ISLAND - CAPE DESOLATION SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	0
30.50- 45.75	2 *****
45.75- 61.00	0
61.00- 76.25	1 **
76.25- 91.50	12 *****
91.50-106.75	26 *****
106.75-122.00	7 *****
122.00-137.25	0
137.25-152.50	7 *****
152.50-167.75	0
167.75-183.00	5 *****
183.00-198.25	14 *****
198.25-213.50	4 *****
213.50-228.75	4 *****
228.75-244.00	6 *****
244.00-259.25	3 *****
259.25-274.50	1 **
274.50-289.75	0
289.75-305.00	0
305.00-320.25	0
320.25-335.50	0
335.50-350.75	0
350.75-366.00	0
TOTAL STATIONS	92

SEAL ISLAND - CAPE FAREWELL SECTION

DAYS	HISTOGRAM
0.00- 15.25	4 *
15.25- 30.50	6 **
30.50- 45.75	5 *
45.75- 61.00	18 *****
61.00- 76.25	15 *****
76.25- 91.50	21 *****
91.50-106.75	27 *****
106.75-122.00	21 *****
122.00-137.25	25 *****
137.25-152.50	20 *****
152.50-167.75	27 *****
167.75-183.00	33 *****
183.00-198.25	94 *****
198.25-213.50	177 *****
213.50-228.75	213 *****
228.75-244.00	61 *****
244.00-259.25	35 *****
259.25-274.50	23 *****
274.50-289.75	13 *****
289.75-305.00	42 *****
305.00-320.25	9 *****
320.25-335.50	18 *****
335.50-350.75	18 *****
350.75-366.00	4 *
TOTAL STATIONS	929

WHITE BAY SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	0
30.50- 45.75	0
45.75- 61.00	0
61.00- 76.25	0
76.25- 91.50	0
91.50-106.75	0
106.75-122.00	0
122.00-137.25	3 *****
137.25-152.50	0
152.50-167.75	6 *****
167.75-183.00	0
183.00-198.25	0
198.25-213.50	1 *****
213.50-228.75	2 *****
228.75-244.00	1 *****
244.00-259.25	0
259.25-274.50	2 *****
274.50-289.75	0
289.75-305.00	0
305.00-320.25	1 *****
320.25-335.50	0
335.50-350.75	0
350.75-366.00	0
TOTAL STATIONS	16

BONAVISTA TRIANGLE SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	0
30.50- 45.75	0
45.75- 61.00	3 *
61.00- 76.25	0
76.25- 91.50	10 **
91.50-106.75	63 *****
106.75-122.00	99 *****
122.00-137.25	56 *****
137.25-152.50	118 *****
152.50-167.75	155 *****
167.75-183.00	115 *****
183.00-198.25	283 *****
198.25-213.50	161 *****
213.50-228.75	68 *****
228.75-244.00	23 *****
244.00-259.25	5 *
259.25-274.50	9 **
274.50-289.75	1
289.75-305.00	3 *
305.00-320.25	4 *
320.25-335.50	2
335.50-350.75	0
350.75-366.00	0
TOTAL STATIONS	1178

FLEMISH CAP SECTION

DAYS	HISTOGRAM
0.00- 15.25	13 **
15.25- 30.50	10 **
30.50- 45.75	27 *****
45.75- 61.00	32 *****
61.00- 76.25	33 *****
76.25- 91.50	51 *****
91.50-106.75	133 *****
106.75-122.00	40 *****
122.00-137.25	37 *****
137.25-152.50	97 *****
152.50-167.75	43 *****
167.75-183.00	60 *****
183.00-198.25	28 *****
198.25-213.50	345 *****
213.50-228.75	47 *****
228.75-244.00	42 *****
244.00-259.25	6 *
259.25-274.50	15 ***
274.50-289.75	18 ***
289.75-305.00	11 **
305.00-320.25	40 *****
320.25-335.50	2
335.50-350.75	13 **
350.75-366.00	1

TOTAL STATIONS 1144

COAST GUARD-3 SECTION

DAYS	HISTOGRAM
0.00- 15.25	2 *
15.25- 30.50	9 *****
30.50- 45.75	58 *****
45.75- 61.00	12 *****
61.00- 76.25	30 *****
76.25- 91.50	14 *****
91.50-106.75	109 *****
106.75-122.00	5 ***
122.00-137.25	22 *****
137.25-152.50	104 *****
152.50-167.75	21 *****
167.75-183.00	52 *****
183.00-198.25	13 *****
198.25-213.50	10 *****
213.50-228.75	35 *****
228.75-244.00	7 ****
244.00-259.25	22 *****
259.25-274.50	1 *
274.50-289.75	1 *
289.75-305.00	1 *
305.00-320.25	39 *****
320.25-335.50	11 *****
335.50-350.75	0
350.75-366.00	0
TOTAL STATIONS 578	

COAST GUARD-4 SECTION

DAYS	HISTOGRAM
0.00- 15.25	19 *****
15.25- 30.50	10 *****
30.50- 45.75	20 *****
45.75- 61.00	0
61.00- 76.25	11 *****
76.25- 91.50	17 *****
91.50-106.75	122 *****
106.75-122.00	28 *****
122.00-137.25	55 *****
137.25-152.50	66 *****
152.50-167.75	48 *****
167.75-183.00	44 *****
183.00-198.25	13 *****
198.25-213.50	5 **
213.50-228.75	13 *****
228.75-244.00	22 *****
244.00-259.25	0
259.25-274.50	3 *
274.50-289.75	8 ****
289.75-305.00	10 *****
305.00-320.25	24 *****
320.25-335.50	6 ***
335.50-350.75	2 *
350.75-366.00	0
TOTAL STATIONS 546	

SW GRAND BANKS SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	0
30.50- 45.75	0
45.75- 61.00	0
61.00- 76.25	2 *****
76.25- 91.50	6 *****
91.50-106.75	4 *****
106.75-122.00	2 *****
122.00-137.25	1 *****
137.25-152.50	0
152.50-167.75	1 *****
167.75-183.00	4 *****
183.00-198.25	3 *****
198.25-213.50	0
213.50-228.75	2 *****
228.75-244.00	3 *****
244.00-259.25	2 *****
259.25-274.50	0
274.50-289.75	4 *****
289.75-305.00	1 *****
305.00-320.25	0
320.25-335.50	1 *****
335.50-350.75	0
350.75-366.00	0
TOTAL STATIONS	36

BANQUERO SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	2 ***
30.50- 45.75	4 *****
45.75- 61.00	18 *****
61.00- 76.25	8 *****
76.25- 91.50	2 ***
91.50-106.75	0
106.75-122.00	6 *****
122.00-137.25	16 *****
137.25-152.50	1 **
152.50-167.75	2 ***
167.75-183.00	14 *****
183.00-198.25	2 ***
198.25-213.50	12 *****
213.50-228.75	1 **
228.75-244.00	27 *****
244.00-259.25	5 *****
259.25-274.50	6 *****
274.50-289.75	12 *****
289.75-305.00	8 *****
305.00-320.25	35 *****
320.25-335.50	6 *****
335.50-350.75	0
350.75-366.00	0
TOTAL STATIONS	187

LAURENTIAN SECTION

DAYS	HISTOGRAM
0.00- 15.25	0
15.25- 30.50	0
30.50- 45.75	2 *****
45.75- 61.00	2 *****
61.00- 76.25	0
76.25- 91.50	5 *****
91.50-106.75	0
106.75-122.00	0
122.00-137.25	1 *****
137.25-152.50	4 *****
152.50-167.75	2 *****
167.75-183.00	0
183.00-198.25	3 *****
198.25-213.50	9 *****
213.50-228.75	2 *****
228.75-244.00	0
244.00-259.25	0
259.25-274.50	3 *****
274.50-289.75	0
289.75-305.00	2 *****
305.00-320.25	0
320.25-335.50	0
335.50-350.75	0
350.75-366.00	0
TOTAL STATIONS	35

HALIFAX SECTION

DAYS	HISTOGRAM
0.00- 15.25	4 ****
15.25- 30.50	28 *****
30.50- 45.75	47 *****
45.75- 61.00	59 *****
61.00- 76.25	18 *****
76.25- 91.50	32 *****
91.50-106.75	34 *****
106.75-122.00	22 *****
122.00-137.25	48 *****
137.25-152.50	34 *****
152.50-167.75	26 *****
167.75-183.00	38 *****
183.00-198.25	38 *****
198.25-213.50	31 *****
213.50-228.75	36 *****
228.75-244.00	65 *****
244.00-259.25	35 *****
259.25-274.50	16 *****
274.50-289.75	23 *****
289.75-305.00	40 *****
305.00-320.25	42 *****
320.25-335.50	41 *****
335.50-350.75	42 *****
350.75-366.00	9 *****
TOTAL STATIONS	808

LA HAVE - BACCARO SECTION

DAYS	HISTOGRAM
0.00- 15.25	1 ****
15.25- 30.50	3 *****
30.50- 45.75	4 *****
45.75- 61.00	3 *****
61.00- 76.25	8 *****
76.25- 91.50	7 *****
91.50-106.75	3 *****
106.75-122.00	1 ****
122.00-137.25	3 *****
137.25-152.50	3 *****
152.50-167.75	6 *****
167.75-183.00	4 *****
183.00-198.25	14 *****
198.25-213.50	9 *****
213.50-228.75	8 *****
228.75-244.00	3 *****
244.00-259.25	5 *****
259.25-274.50	0
274.50-289.75	2 *****
289.75-305.00	4 *****
305.00-320.25	3 *****
320.25-335.50	4 *****
335.50-350.75	3 *****
350.75-366.00	0
TOTAL STATIONS	101

CAPE SABLE - COAST GUARD-5 SECTION

DAYS	HISTOGRAM
0.00- 15.25	1 **
15.25- 30.50	3 *****
30.50- 45.75	4 *****
45.75- 61.00	6 *****
61.00- 76.25	10 *****
76.25- 91.50	8 *****
91.50-106.75	5 *****
106.75-122.00	5 *****
122.00-137.25	3 *****
137.25-152.50	3 *****
152.50-167.75	3 *****
167.75-183.00	3 *****
183.00-198.25	10 *****
198.25-213.50	27 *****
213.50-228.75	4 *****
228.75-244.00	12 *****
244.00-259.25	28 *****
259.25-274.50	5 *****
274.50-289.75	5 *****
289.75-305.00	9 *****
305.00-320.25	3 *****
320.25-335.50	0
335.50-350.75	2 ****
350.75-366.00	0
TOTAL STATIONS	159

67 WEST SECTION

DAYS	HISTOGRAM
0.00- 15.25	9 *****
15.25- 30.50	31 *****
30.50- 45.75	24 *****
45.75- 61.00	18 *****
61.00- 76.25	26 *****
76.25- 91.50	19 *****
91.50-106.75	27 *****
106.75-122.00	49 *****
122.00-137.25	32 *****
137.25-152.50	17 *****
152.50-167.75	10 *****
167.75-183.00	36 *****
183.00-198.25	57 *****
198.25-213.50	72 *****
213.50-228.75	53 *****
228.75-244.00	17 *****
244.00-259.25	33 *****
259.25-274.50	10 *****
274.50-289.75	33 *****
289.75-305.00	34 *****
305.00-320.25	34 *****
320.25-335.50	28 *****
335.50-350.75	6 *****
350.75-366.00	0
TOTAL STATIONS	675

69 WEST SECTION

DAYS	HISTOGRAM
0.00- 15.25	8 *****
15.25- 30.50	14 *****
30.50- 45.75	5 *****
45.75- 61.00	4 *****
61.00- 76.25	1 **
76.25- 91.50	10 *****
91.50-106.75	15 *****
106.75-122.00	10 *****
122.00-137.25	6 *****
137.25-152.50	27 *****
152.50-167.75	37 *****
167.75-183.00	17 *****
183.00-198.25	14 *****
198.25-213.50	6 *****
213.50-228.75	17 *****
228.75-244.00	9 *****
244.00-259.25	12 *****
259.25-274.50	16 *****
274.50-289.75	6 *****
289.75-305.00	3 *****
305.00-320.25	7 *****
320.25-335.50	1 **
335.50-350.75	5 *****
350.75-366.00	0
TOTAL STATIONS	250

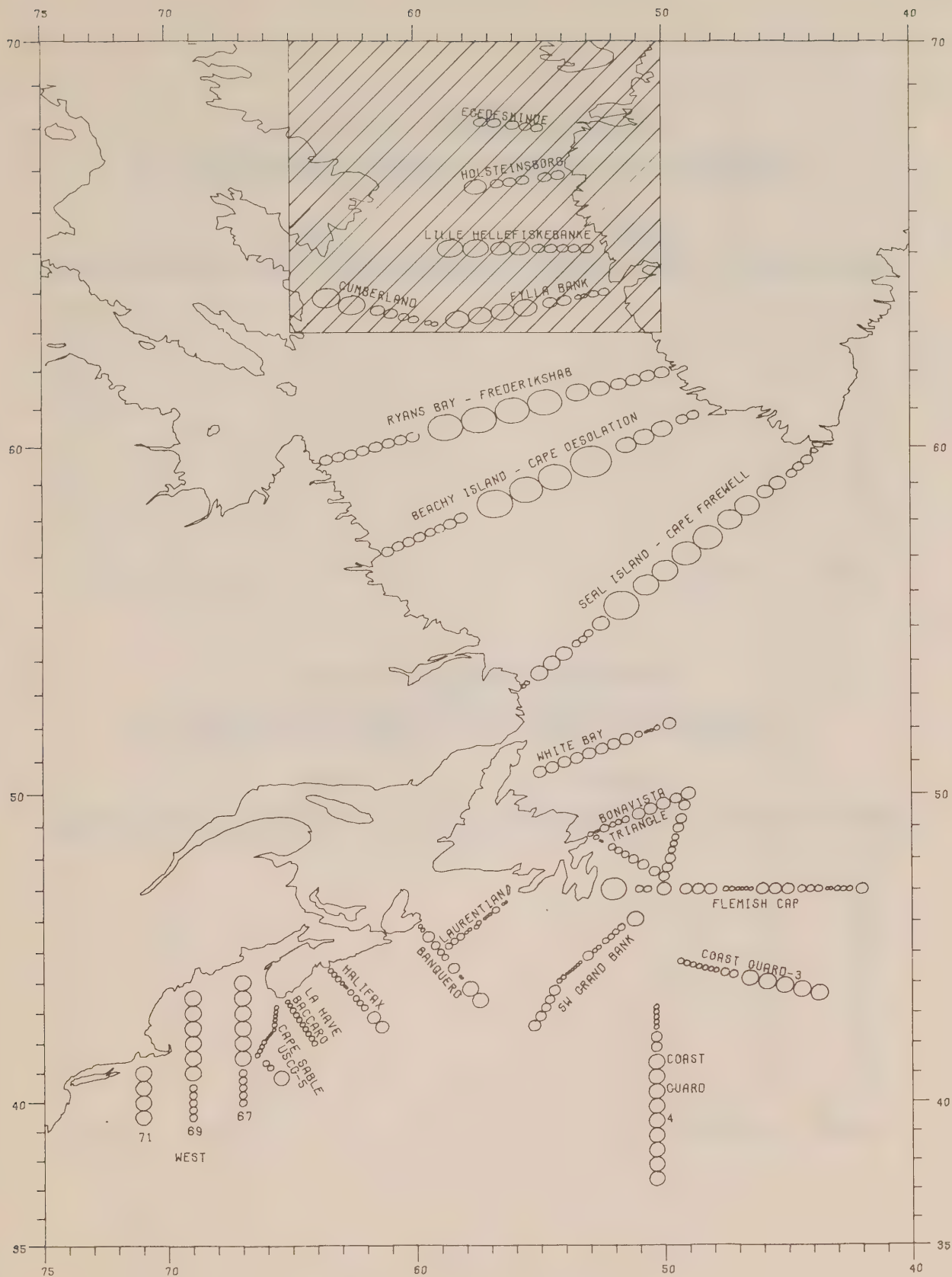
71 WEST SECTION

DAYS	HISTOGRAM
0.00- 15.25	7 *****
15.25- 30.50	5 *****
30.50- 45.75	33 *****
45.75- 61.00	32 *****
61.00- 76.25	1 *
76.25- 91.50	0
91.50-106.75	6 *****
106.75-122.00	7 *****
122.00-137.25	3 ***
137.25-152.50	28 *****
152.50-167.75	6 *****
167.75-183.00	7 *****
183.00-198.25	8 *****
198.25-213.50	45 *****
213.50-228.75	52 *****
228.75-244.00	41 *****
244.00-259.25	0
259.25-274.50	18 *****
274.50-289.75	3 ***
289.75-305.00	15 *****
305.00-320.25	1 *
320.25-335.50	1 *
335.50-350.75	4 *****
350.75-366.00	6 *****
TOTAL STATIONS	329

TABLE 2

MATRICES

Lists, in matrix form, of bottle station occupations for each circle along each section by month-year rows and columns. Data applies only to occupation dates greater than or equal to 1930 and circles containing 10 or more total occupations. "*" indicates an overflow of more than 9 stations for a particular month for that year of observation. The "YEAR" column indicates the sum of individual years of occupations for that particular month. The same general order of presentation from north to south for each division (Fig. 2) is followed. Illustrations of each division are included to aid the reader.



A. Northern West Greenland

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
66.8833	54.1667	11.99	452.0

TOTAL 20 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
66.8333	54.7000	11.99	452.0

TOTAL 12 STATIONS

HOLSTEINSBORG SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
66.7667 55.6000 11.69 429.5

YEAR=19--

MONTH	STATIONS	3-										4-										5-										6-										7-										YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9											
1	0																																											0								
2	0																																											0								
3	0																																											0								
4	0																																											0								
5	0																																											0								
6	1																																											1								
7	5																																											5								
8	0																																											0								
9	0																																											0								
10	2																																											2								
11	2																																											2								
12	1																																											1								
TOTAL 11 STATIONS																																																				

HOLSTEINSBORG SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
66.7167 56.1167 11.53 417.3

YEAR=19--

MONTH	STATIONS	3-										4-										5-										6-										7-										YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9											
1	0																																											0								
2	0																																											0								
3	0																																											0								
4	0																																											0								
5	0																																											0								
6	1																																											1								
7	4																																											4								
8	3																																											1								
9	0																																											0								
10	1																																											1								
11	2																																											2								
12	1																																											1								
TOTAL	12 STATIONS																																																			

YEAR=19--

3-

4-

5-

6-

7-

01234567890123456789012345678901234567890123456

YEARS

[illegible]

36

LILLE HELLEFISKEBANKE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
65.1000 53.0000 12.50 490.8

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS	
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5
1	2																											2
2	0																											0
3	2																											1
4	8																											7
5	2																											2
6	4																											3
7	7																											6
8	1																											1
9	0																											0
10	1																											1
11	2																											2
12	1																											1
TOTAL	30 STATIONS																											

LILLE HELLEFISKEBANKE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
65.1000 53.5333 10.55 349.4

YEAR=19--

		3-					4-					5-					6-					7-						
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	YEARS
1	1																											1
2	0																											0
3	0																											0
4	2																									1	1	2
5	1																										1	1
6	3																									1	1	3
7	6																										1	6
8	1																										1	1
9	0																											0
10	1																										1	1
11	2																									1	1	2
12	1																									1		1
TOTAL 18 STATIONS																												

LILLE HELLEFISKEBANKE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 65.1000 53.9833 10.55 349.4

		YEAR=19--															
		3-			4-			5-			6-			7-			YEARS
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
1	1															1	1
2	0																0
3	0																0
4	2														1	1	2
5	1															1	1
6	3										1				1	1	3
7	6											1	1	1	1	1	6
8	1														1		1
9	2														2		1
10	1														1		1
11	2											1			1		2
12	1											1					1
TOTAL		20 STATIONS															

LILLE HELLEFISKEBANKE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 65.1000 54.4667 11.72 431.4

		YEAR=19--																																			
		3-			4-			5-			6-			7-																							
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	YEARS					
1	1																															1	1				
2	0																															0					
3	0																															0					
4	6																															5					
5	2																															2					
6	3																															3					
7	6																															6					
8	1																															1					
9	0																															0					
10	1																															1					
11	2																															2					
12	1																															1					
TOTAL																									23	STATIONS											

LILLE HELLEFISKEBANKE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
65.1000 54.9667 11.72 431.4

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	1																						1				1
2	0																										0
3	0																										0
4	4																	1	1								4
5	1																						1				1
6	3																	1		1	1						3
7	5																		1	1	1	1	1				5
8	1																				1						1
9	0																										0
10	1																				1						1
11	2																		1		1						2
12	1																		1								1

TOTAL 19 STATIONS

LILLE HELLEFISKEBANKE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
65.1000 55.7167 18.36 1058.7

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	0																										0
4	4																		1	1							4
5	1																						1				1
6	1																		1								1
7	2																			1		1					2
8	0																										0
9	2																				2						1
10	1																		1								1
11	0																										0
12	0																										0

TOTAL 11 STATIONS

LILLE HELLEFISKEBANKE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 65.1000 58.5333 24.22 1842.4

YEAR=19--

MONTH	STATIONS	3-							4-							5-							6-							7-							YEARS
		0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6								
1	0																													0							
2	0																													0							
3	0																													0							
4	0																													0							
5	0																													0							
6	1																													1							
7	1																													1							
8	3																													2							
9	2																													1							
10	3																													3							
11	0																													0							
12	0																													0							
TOTAL		10 STATIONS																																			

FYLLA BANK SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
64.0167	52.3167	10.54	349.3

YEAR=19--

		3-	4-	5-	6-	7-		
MONTH	STATIONS	01234567890123456789012345678901234567890123456	YEARS					
1	1					1		1
2	1					1		1
3	4					22		2
4	11					11111122	1	9
5	6					1 1 1111		6
6	7			1		1 1 1111		7
7	8					11 3 21		5
8	3					11 1		3
9	2					11		2
10	6					2 1111		5
11	4					11 1 1		4
12	2					1 1		2
TOTAL	55 STATIONS							

FYLLA BANK SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
63.9667	52.7333	9.78	300.3

YEAR=19--

[illegible]

FYLLA BANK SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
63.9167	53.1167	6.40	128.6

		YEAR=19--																										
		3-				4-				5-				6-				7-										
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	YEARS		
1	1																							1		1		
2	1																							1		1		
3	2																							2		1		
4	5																							1	1		5	
5	4																							1	1	1		4
6	5																							1	1	1		5
7	8																							1	2	2		6
8	3																							1	1		3	
9	1																								1		1	
10	5																							2	1	1	4	
11	4																							1	1		4	
12	2																								1		2	
TOTAL		41 STATIONS																										

FYLLA BANK SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
63.8833	53.3667	6.40	128.6

		YEAR=19--																																				
		3-				4-				5-				6-				7-																				
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	YEARS
1	1																															1						1
2	1																															1						1
3	5																															3						3
4	13																															1	1	1	1	1	1	13
5	9																															1	1					9
6	6																															1	1	1	1	1	1	6
7	8																															2	2	1	1			6
8	3																															1	1					3
9	1																															1						1
10	4																															1	1	1	1			4
11	5																															1	1	1	1			5
12	2																															1						2
TOTAL	58 STATIONS																																					

FYLLA BANK SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 63.8000 53.9333 14.21 634.7

YEAR=19--
 3- 4- 5- 6- 7-
 MONTH STATIONS 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 YEARS

1	1																									1	1
2	1																									1	1
3	2																									2	1
4	14																										11
5	5																									1	5
6	6																									1	6
7	6																									1	5
8	3																									1	3
9	2																									1	2
10	3																									1	3
11	3																									1	3
12	1																									1	1

TOTAL 47 STATIONS

FYLLA BANK SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 63.7500 54.5000 14.21 634.7

YEAR=19--
 3- 4- 5- 6- 7-
 MONTH STATIONS 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 YEARS

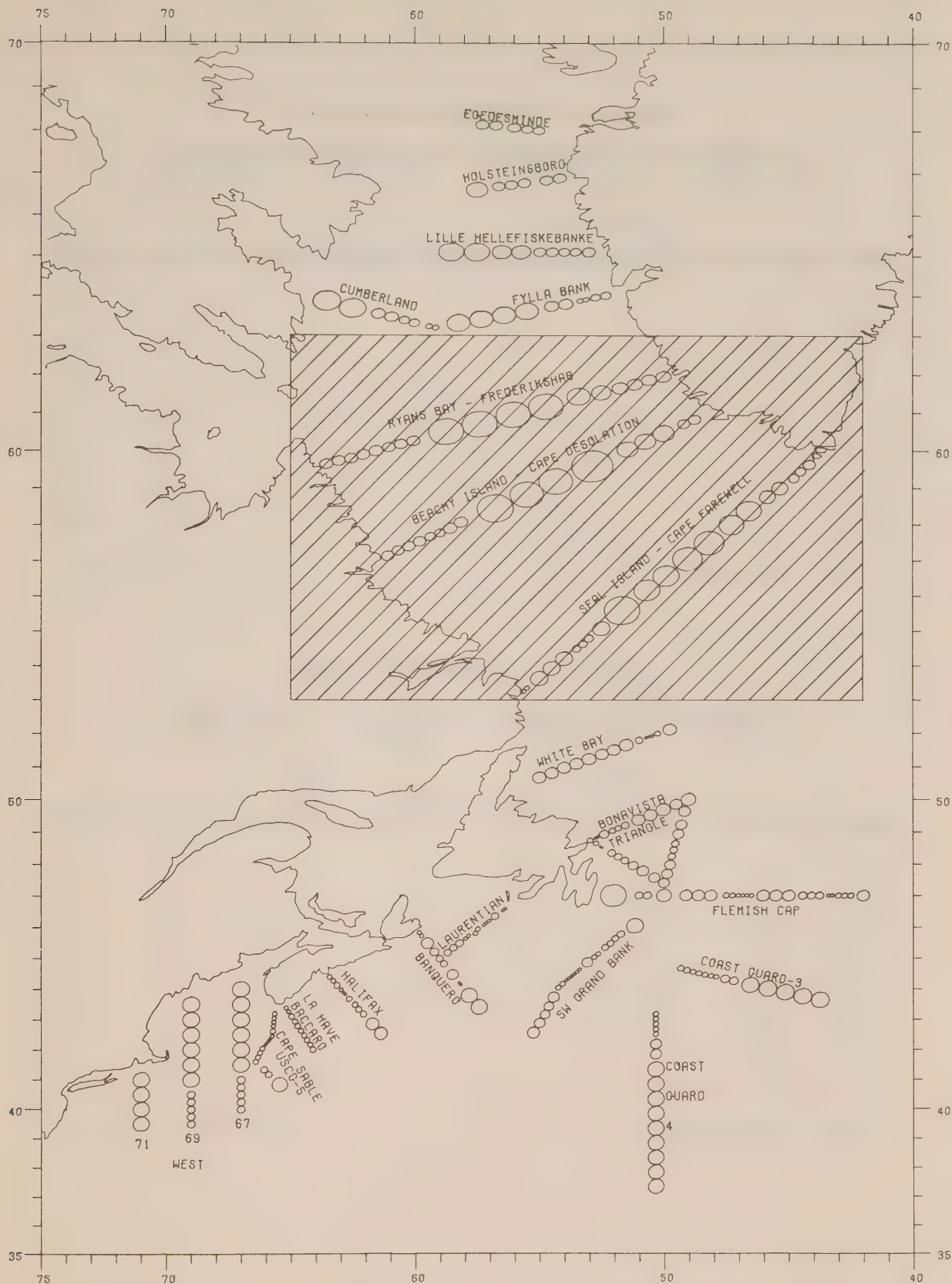
1	0																										0
2	0																										0
3	0																										0
4	5																									1	5
5	1																									1	1
6	1																									1	1
7	2																									1	2
8	0																										0
9	1																									1	1
10	0																										0
11	0																										0
12	0																										0

TOTAL 10 STATIONS

FYLLA BANK SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
63.6167	55.5000	23.39	1718.0

		YEAR=19--																				
		3-		4-		5-		6-		7-												
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	YEARS				
1	0																	0				
2	0																	0				
3	0																	0				
4	5									1	1	1	1					5				
5	2										1		1					2				
6	1										1							1				
7	3								1				1		1			3				
8	0																	0				
9	1												1					1				
10	0																	0				
11	0																	0				
12	0																	0				
TOTAL	12 STATIONS																					



B. Labrador - West Greenland

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
61.1667	54.7333	37.46	4408.3

RYANS BAY - FREDERIKSHAB SECTION

46

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
61.5333	52.5000	20.90	1371.7

[illegible]

TOTAL 20 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
61.6500	51.7500	16.78	884.9

[illegible]

TOTAL 31 STATIONS

RYANS BAY - FREDERIKSHAB SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 61.7500 51.1500 16.25 830.0

		YEAR=19--																
		3-			4-			5-			6-			7-			YEARS	
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5
1	0																	0
2	2														1	1		2
3	3												1		1	1		3
4	5													1	1	1	2	4
5	4							1				1		1		1		4
6	2												1				1	2
7	12								1	1	1	1	1	1	1		1	12
8	4							1	1			1					1	4
9	2									1						1		2
10	1															1		1
11	1															1		1
12	0																	0

TOTAL 36 STATIONS

RYANS BAY - FREDERIKSHAB SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 61.8667 50.5833 15.98 802.0

		YEAR=19--																	
		3-			4-			5-			6-			7-			YEARS		
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5	6
1	0																		0
2	2															1	1		2
3	5													4		1			2
4	8													12		23			4
5	6						1				1		1	2			1		5
6	5												12		1		1		4
7	10							2	1	1	1		1	1			1		9
8	4						1	1			1						1		4
9	2									1						1			2
10	1																1		1
11	1															1			1
12	2												2						1

TOTAL 46 STATIONS

RYANS BAY - FREDERIKSHAB SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 61.9500 50.0000 15.98 802.0

YEAR=19--

MONTH	STATIONS	3- 4- 5- 6- 7-												YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	
1	0													0
2	2												1 1	2
3	6												3 2 1	3
4	5												11 12	4
5	5						1		1				1 1 1	5
6	4									2			1 1	3
7	5							1 1		1 1			1	5
8	4						1		1				1 1	4
9	1												1	1
10	1												1	1
11	4									2		1 1		3
12	2									2				1
TOTAL 39 STATIONS														

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
59.5833	52.8667	46.90	6910.9

TOTAL 10 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
60.0333	51.4500	23.23	1696.0

TOTAL 13 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
60.4667	50.0000	23.52	1737.3

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
60.7167	49.1833	13.45	568.2

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
60.8333	48.7500	13.45	568.2

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS	
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5
1	0																											0
2	0																											0
3	1																											1
4	7																											4
5	1																											1
6	0																											0
7	1																											1
8	0																											0
9	0																											0
10	0																											0
11	0																											0
12	0																											0

52

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 53.2333 55.6500 7.48 175.6

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	0																										0
4	0																										0
5	0																										0
6	0																										0
7	9																										6
8	20																										14
9	0																										0
10	1																										1
11	0																										0
12	0																										0

TOTAL 30 STATIONS

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 53.3333 55.5000 7.48 175.6

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	0																										0
4	0																										0
5	0																										0
6	1																										1
7	9																										6
8	20																										14
9	1																										1
10	1																										1
11	0																										0
12	0																										0

TOTAL 32 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
53.6167	55.0000	23.44	1726.1

TOTAL 37 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
53.9167	54.5000	22.71	1619.7

TOTAL 35 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
54.2000	54.0000	22.63	1608.3

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
54.4833	53.5000	11.37	405.9

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
54.6167	53.2333	11.37	405.9

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
54.7833	53.0000	11.93	447.3

[illegible]

56

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
55.0667 52.5000 22.46 1584.9

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	0																										0
4	0																										0
5	0																										0
6	0																										0
7	4		1				1						1										1				4
8	16											1		2	2	2	2	1	1	1		1	1	1	1		12
9	1													1													1
10	1																				1						1
11	2																1					1					2
12	1																				1						1

TOTAL 25 STATIONS

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
55.5833 51.6667 45.05 6375.1

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	1																						1				1
2	3																2					1					2
3	0																										0
4	1																					1					1
5	1																						1				1
6	1																										1
7	24						1	12		1			2	1	12	2	1	12	1	1	1		1				19
8	12							1					2		1		2					1	5				6
9	4													1									1	2			3
10	3																					1	1				3
11	0																										0
12	0																										0

TOTAL 50 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
56.1667	50.6667	32.47	3312.4

MONTH	STATIONS	3-		4-		5-		6-		7-		YEARS			
		0	1	2	3	4	5	6	7	8	9				
1	8									1	1	3	2	5	
2	10								1		1	1	1	1	7
3	25										4	8	1	5	6
4	37										2	3	4	6	8
5	36										2		6	2	7
6	39												3	**	6
7	14						1		1	1	1	2	1	2	9
8	29									1		1	4	1	7
9	26												3	3	6
10	22										3	4	1	3	7
11	15											3	3	5	6
12	20									1		7	4	1	7

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
56.5667	49.9000	32.47	3312.4

[illegible]

TOTAL 35 STATIONS

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 57.0500 49.0333 36.16 4107.6

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
1	0																										0
2	1																										1
3	0																										0
4	0																										0
5	0																										0
6	2																										2
7	17																										17
8	7																										6
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 27 STATIONS

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 57.5000 48.1667 36.16 4107.6

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
1	0																										0
2	1																										1
3	0																										0
4	0																										0
5	0																										0
6	1																										1
7	18																										18
8	7																										4
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 27 STATIONS

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 58.0000 47.2667 29.61 2755.2

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	1																	1									1
3	1																			1							1
4	0																										0
5	0																										0
6	0																										0
7	14				1		1					1	1	1	1	1	1	1	1	1							14
8	5											1		1		2					1						4
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 21 STATIONS

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 58.3833 46.5667 29.61 2755.2

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	1																	1									1
3	4																	3		1							2
4	0																										0
5	0																										0
6	2						1		1																		2
7	5				1			1				1	1								1						5
8	2					1												1									2
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 14 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
59.0000	45.3333	19.38	1179.8

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
59.2667	44.7667	12.70	506.9

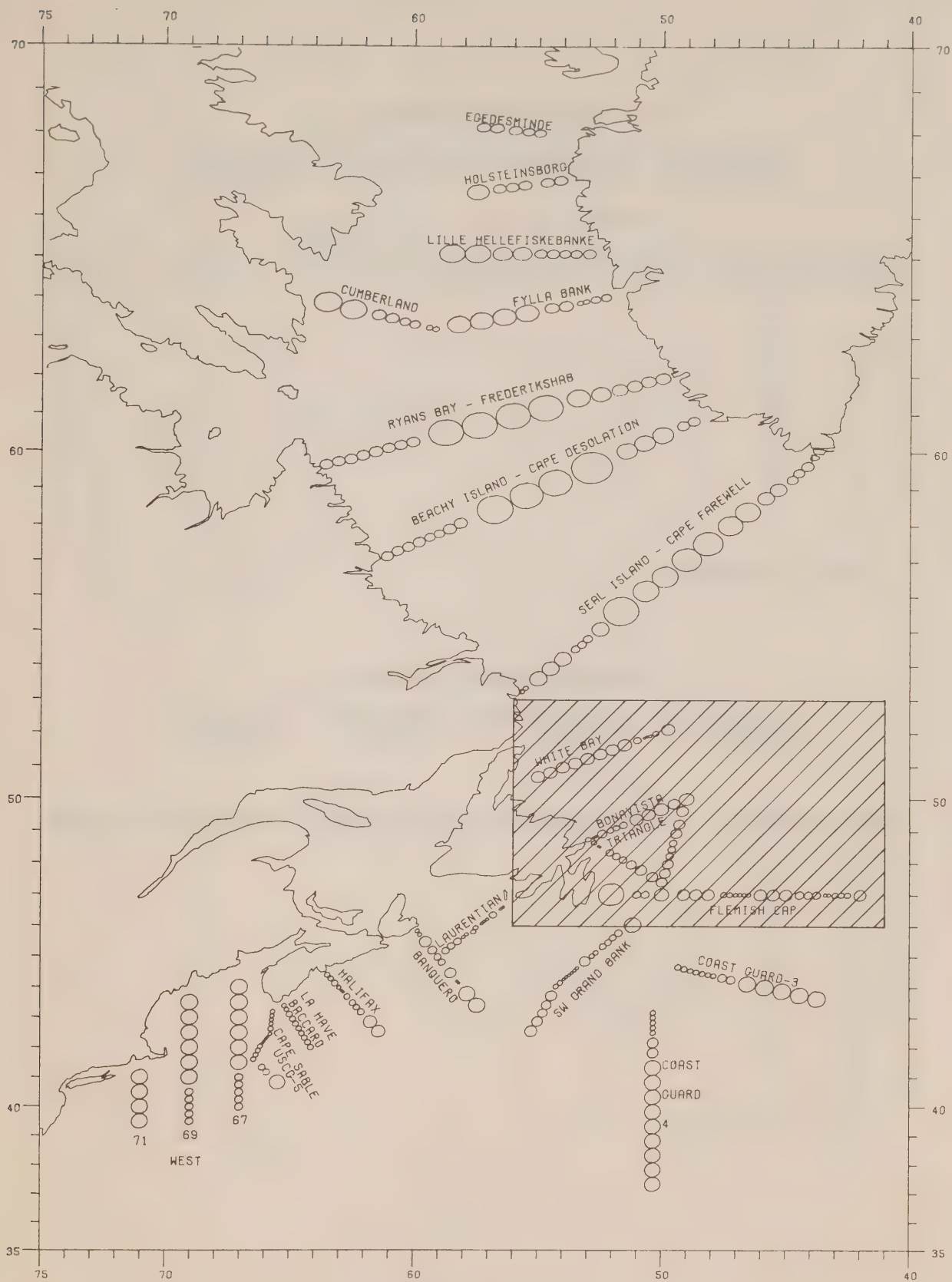
[illegible]

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG)		LONGITUDE(DEG)		RADIUS(KM)		AREA(SQ KM)									
59.4500		44.5000		12.70		506.9									
YEAR=19--															
3-		4-		5-		6-		7-							
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	10	11	12	YEARS
1	0													0	
2	0													0	
3	1								1					1	
4	2								1	1				2	
5	0													0	
6	3			2		1								2	
7	16		1	1		2		1	12	1	1	1	1	14	
8	9			2				1		1	1	1	1	8	
9	1							1						1	
10	0													0	
11	0													0	
12	0													0	
TOTAL 32 STATIONS															

SEAL ISLAND - CAPE FAREWELL SECTION

[illegible]



C. Newfoundland

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
48.7333	52.9667	8.77	241.8

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
48.8000	52.7500	4.11	53.0

[illegible]

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 48.8333 52.6500 4.11 53.0

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	1																		1								1
4	3																	1		11							3
5	5												1	1						111							5
6	5																	11	1	11							5
7	7												1	11	1					111							7
8	1																	1									1
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 22 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 48.9167 52.4000 13.59 580.3

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	1																		1								1
4	6																	1		11					11		6
5	6																			111							6
6	9																										8
7	31																										16
8	14																										8
9	0																										0
10	1																										1
11	0																										0
12	0																										0

TOTAL 68 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
49.0250	52.0667	9.59	288.8

YEAR=19--

[illegible]

TOTAL 36 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
49.1000	51.8300	9.59	288.8

YEAR=19--

[illegible]

TOTAL 37 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
49.1900	51.5417	11.63	425.1

MONTH	STATIONS	3-										4-										5-										6-										7-										YEARS														
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9																									
1	0																																									0																								
2	0																																									0																								
3	0																																									0																								
4	5																					1											1											1											11											5
5	6																					1	1	1											1	1	1											6																		
6	9																					2											1	1											1	1	1	1	1	1	8															
7	12																					1	2	1	1											1	1											1	1	1	1	1	1	11												
8	3																															1											1	1											3											
9	0																																									0																								
10	0																																									0																								
11	0																																									0																								
12	0																																									0																								
TOTAL	35 STATIONS																																																																	

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
49.3667	51.0167	19.38	1180.3

[illegible]

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 49.5167 50.5333 19.38 1180.3

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	1																										1
3	1																										1
4	6																										6
5	5																										5
6	11																										10
7	16																										15
8	3																										2
9	1																										1
10	1																										1
11	1																										1
12	0																										0
TOTAL 46 STATIONS																											

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 49.6833 50.0167 20.76 1354.3

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	1																										1
3	0																										0
4	7																										6
5	5																										5
6	10																										9
7	15																										13
8	5																										5
9	1																										1
10	0																										0
11	0																										0
12	0																										0
TOTAL 44 STATIONS																											

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
49.8500	49.5000	17.22	931.4

MONTH	STATIONS	3-										4-										5-										6-										7-										YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9											
1	0																																									0										
2	0																																									0										
3	1																																									1										
4	5																																									5										
5	5																																									5										
6	10																																									9										
7	14																																									13										
8	3																																									2										
9	1																																									1										
10	0																																									0										
11	0																																									0										
12	0																																									0										

TOTAL 39 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
49.6333	49.1583	17.22	931.4

[illegible]

TOTAL 34 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 50.0000 49.0000 21.19 1410.2

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	1																										1
4	10																										8
5	11																										8
6	18																										9
7	25																										14
8	5																										2
9	1																										1
10	0																										0
11	1																										1
12	0																										0

TOTAL 72 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 49.2183 49.2967 16.46 850.7

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	0																										0
4	4																										4
5	7																										7
6	6																										5
7	7																										7
8	1																										1
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 25 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 48.9333 49.4167 16.46 850.7

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
1	0																										0
2	0																										0
3	0																										0
4	4													1					12								3
5	6											1						1111		1						6	
6	3																	11	1							3	
7	3											1		1						1							3
8	1																			1							1
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 17 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 48.6317 49.5383 11.27 399.1

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	0																										0
4	6													1	1	1		11		1							6
5	9													11	11			1111		1							9
6	12											2			121	12	12										8
7	14													211	211		1221										10
8	3																2	1									2
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 44 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
48.2333	49.6833	11.55	419.2

TOTAL 41 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.9700	49.7500	16.54	859.6

TOTAL 47 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 47.6833 49.8667 16.54 859.6

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
1	0																										0
2	0																										0
3	0																										0
4	8													1	2	1		11			11						7
5	9													11	1			1111			1	1					9
6	11													2			111	11111			1						10
7	14													1	2	111	111		11111								13
8	2															1			1								2
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 44 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 47.4000 50.0000 16.55 860.2

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS	
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5
1	0																										0	
2	0																										0	
3	0																										0	
4	9													1	2	1		11			12						7	
5	10													2	1			1111			1	1					9	
6	14													4	2		111	11111									10	
7	34													1	2	2	3	2	2	2	1	2	2	2		1	1	18
8	5														1	2	1				1						4	
9	1																										1	
10	0																										0	
11	0																										0	
12	0																										0	

TOTAL 73 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.5667	50.3833	17.15	923.6

		3-	4-	5-	6-	7-	
MONTH STATIONS		0123456789012345678901234567890123456					YEARS
1	0						0
2	0						0
3	0						0
4	4			1	1	11	4
5	7			11	1	112	6
6	14			4	121	11111	10
7	14			1	1111	121	13
8	3				1	1	3
9	0						0
10	0						0
11	0						0
12	0						0
TOTAL	42 STATIONS						

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.7733	50.8417	17.52	964.6

		3-	4-	5-	6-	7-	
MONTH STATIONS		0123456789012345678901234567890123456					YEARS
1	0						0
2	0						0
3	0						0
4	7			2	1	22	4
5	8			11	2	211	6
6	14			2	11	22	9
7	22			2	1122	12222	13
8	2				2		1
9	0						0
10	0						0
11	1				1		1
12	0						0
TOTAL	54 STATIONS						

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 47.9467 51.2333 15.06 712.6

YEAR=19--

		3-					4-					5-					6-					7-						
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	YEARS
1	0																											0
2	0																											0
3	1																											1
4	5																											4
5	6																											6
6	10																											9
7	12																											12
8	1																											1
9	0																											0
10	1																											1
11	0																											0
12	0																											0
TOTAL 36 STATIONS																												

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 48.1000 51.5667 11.84 440.5

YEAR=19--

		3-					4-					5-					6-					7-						
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	YEARS
1	0																											0
2	0																											0
3	0																											0
4	3																											3
5	6																											6
6	8																											8
7	12																											12
8	3																											3
9	0																											0
10	0																											0
11	0																											0
12	0																											0
TOTAL	32 STATIONS																											

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 48.2167 51.8333 11.82 439.1

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	0																										0
4	4													1		1		1	1								4
5	6												1	1	1			1	1	1							6
6	11					1							1		1	1	1	1	1	2	1						10
7	14					1							1	1	1	1	1	1	1	1	1						14
8	1																		1								1
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 36 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 48.3333 52.1000 11.82 439.1

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	0																										0
4	2																	1		1							2
5	6													1	1	1			1	1	1						6
6	9												2		1	1	1	1	1		1						8
7	11												1	1	1	1	1	1	1	1							11
8	2														1			1									2
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 30 STATIONS

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 48.6333 52.7333 8.52 227.8

YEAR=19--

MONTH	STATIONS	YEAR=19--																															YEARS
		3-	4-	5-	6-	7-																											
1	0	0																														0	
2	0																																0
3	1																																1
4	6																																4
5	5																																5
6	8																																7
7	11																																11
8	3																																2
9	1																																1
10	2																																2
11	0																																0
12	0																																0
TOTAL 37 STATIONS																																	

FLEMISH CAP SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.0000	52.0333	39.23	4834.0

YEAR=19--

[illegible]

TOTAL 125 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.0000	51.0000	12.65	503.0

YEAR=19--

MONTH	STATIONS	3-		4-		5-		6-		7-		YEARS						
		0	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5
1	1										1							1
2	2										1						1	2
3	3									1							1	3
4	2						2											1
5	0																	0
6	3						1			1					1			3
7	30						1	2	2	2	2	2	2	2	2	1	1	21
8	2						1				1							2
9	0																	0
10	1									1								1
11	1										1							1
12	1													1				1

TOTAL 46 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.0000	50.0000	22.26	1557.3

YEAR=19--

[illegible]

FLEMISH CAP SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)
47.0000	49.1167	18.98	1131.8

YEAR=19--

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.0000	48.6167	18.98	1131.8

FLEMISH CAP SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.0000	48.1167	18.98	1131.8

80

FLEMISH CAP SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 47.0000 47.5000 9.49 283.0

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	3																						1	1	1		3
2	7																						1	1	2	1	6
3	6																							1	1	2	5
4	11																							1	1	2	7
5	10																							1	1	2	6
6	8																							1	2	2	5
7	25																							1	1	1	18
8	6																							1	1	1	5
9	1																							1	1	1	1
10	3																							1	2		2
11	5																							1	1	1	5
12	1																							1			1

TOTAL 86 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 47.0000 47.2500 8.86 246.5

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	2																							1	1		2
2	6																								1	1	4
3	7																							1	2	1	5
4	11																							1	1	2	8
5	10																							1	1	2	6
6	7																								4	1	4
7	10																								2	3	5
8	3																								1	1	3
9	1																								1		1
10	2																								1	1	2
11	4																								1	1	4
12	0																										0

TOTAL 63 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.0000	47.0167	6.96	152.2

YEAR= 19--

		3-	4-	5-	6-	7-									
MONTH STATIONS		0	1	2	3	4	5	6	7	8	9	10	11	12	YEARS
1	2									1	1				2
2	4									1	1	1	1		4
3	10							1	1	1	2	2	1	1	8
4	13							2	2		1	1	2	3	8
5	12							1			2	1	1	2	7
6	7							1		1		3		1	5
7	31							1	1	2	2	2	2	2	21
8	4								1					1	4
9	1													1	1
10	3								1				1	1	3
11	5									1			1	1	5
12	1										1				1

TOTAL 93 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.0000	46.8333	6.20	120.8

YEAR= 19--

[illegible]

TOTAL 16 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 47.0000 46.6700 6.20 120.8

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	2																										2
3	6																										5
4	5																										4
5	6																										4
6	5																										3
7	7																										4
8	2																										2
9	1																										1
10	2																										2
11	4																										4
12	0																										0

TOTAL 40 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 47.0000 46.4833 7.09 157.7

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	1																										1
2	3																										3
3	7																										6
4	8																										6
5	7																										6
6	5																										3
7	32																										23
8	4																										4
9	1																										1
10	2																										2
11	4																										4
12	1																										1

TOTAL 75 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.0000	46.0167	19.61	1208.5

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9						
1	5																		1	2	2	3					
2	8																		1	1	2	2	5				
3	13					1									1	1			1	1	3	1	10				
4	28					1							3	2	2				2	1	2	1	13				
5	19					1	1						1	1					1	1	3	2	11				
6	13												1			1	2			2	3	1	8				
7	35					1							1	1	2	2	2		2	1	1	1	21				
8	14											1				2	1	1		1		2	9				
9	4																		1		1	2	3				
10	4																			1	2		3				
11	8																		1		2	2	5				
12	2																		1		1		2				

TOTAL 153 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
47.0000	45.5000	19.42	1185.2

YEAR= 19--

[illegible]

TOTAL 18 STATIONS

FLEMISH CAP SECTION

LATITUDE(DEG)		LONGITUDE(DEG)		RADIUS(KM)		AREA(SQ KM)						
47.0000		44.9883		19.42		1185.2						
YEAR=19--												
		3-		4-		5-		6-		7-		
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	YEARS
1	1									1		1
2	1										1	1
3	5							1	1		2	4
4	13			1	1		2	2	1	1		9
5	9			3	1		1	1	2			6
6	6						1		2	1	1	5
7	30				1	1	1	2	2	2	1	22
8	6						1		2	2	1	4
9	1			1								1
10	1							1				1
11	1								1			1
12	2								1	1		2
TOTAL 76 STATIONS												

FLEMISH CAP SECTION

LATITUDE(DEG)		LONGITUDE(DEG)		RADIUS(KM)		AREA(SQ KM)						
47.0000		44.4333		13.29		554.6						
YEAR=19--												
		3-		4-		5-		6-		7-		
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	YEARS
1	0											0
2	0											0
3	1										1	1
4	0											0
5	2						1	1				2
6	0											0
7	6				1	1					4	3
8	1								1			1
9	1									1		1
10	0											0
11	0											0
12	0											0
TOTAL		11 STATIONS										

FLEMISH CAP SECTION

	LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)	
	47.0000	44.0833	12.65	503.0	
		YEAR=19--			
		3- 4- 5- 6- 7-			
MONTH STATIONS		0123456789012345678901234567890123456			YEARS
1	0				0
2	0				0
3	0				0
4	2		2		1
5	0				0
6	0				0
7	14		112122	22	9
8	5		1	22	3
9	0				0
10	0				0
11	0				0
12	0				0
TOTAL	21 STATIONS				

FLEMISH CAP SECTION

LATITUDE(DEG)		LONGITUDE(DEG)		RADIUS(KM)		AREA(SQ KM)										
47.0000		43.7500		12.65		503.0										
YEAR=19--																
3-		4-		5-		6-		7-								
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	10	11	12	YEARS	
1	0														0	
2	0														0	
3	2												2		1	
4	0														0	
5	1							1							1	
6	0														0	
7	12									2	1	1	1	1	1	11
8	0														0	
9	0														0	
10	0														0	
11	0														0	
12	1										1				1	
TOTAL	16 STATIONS															

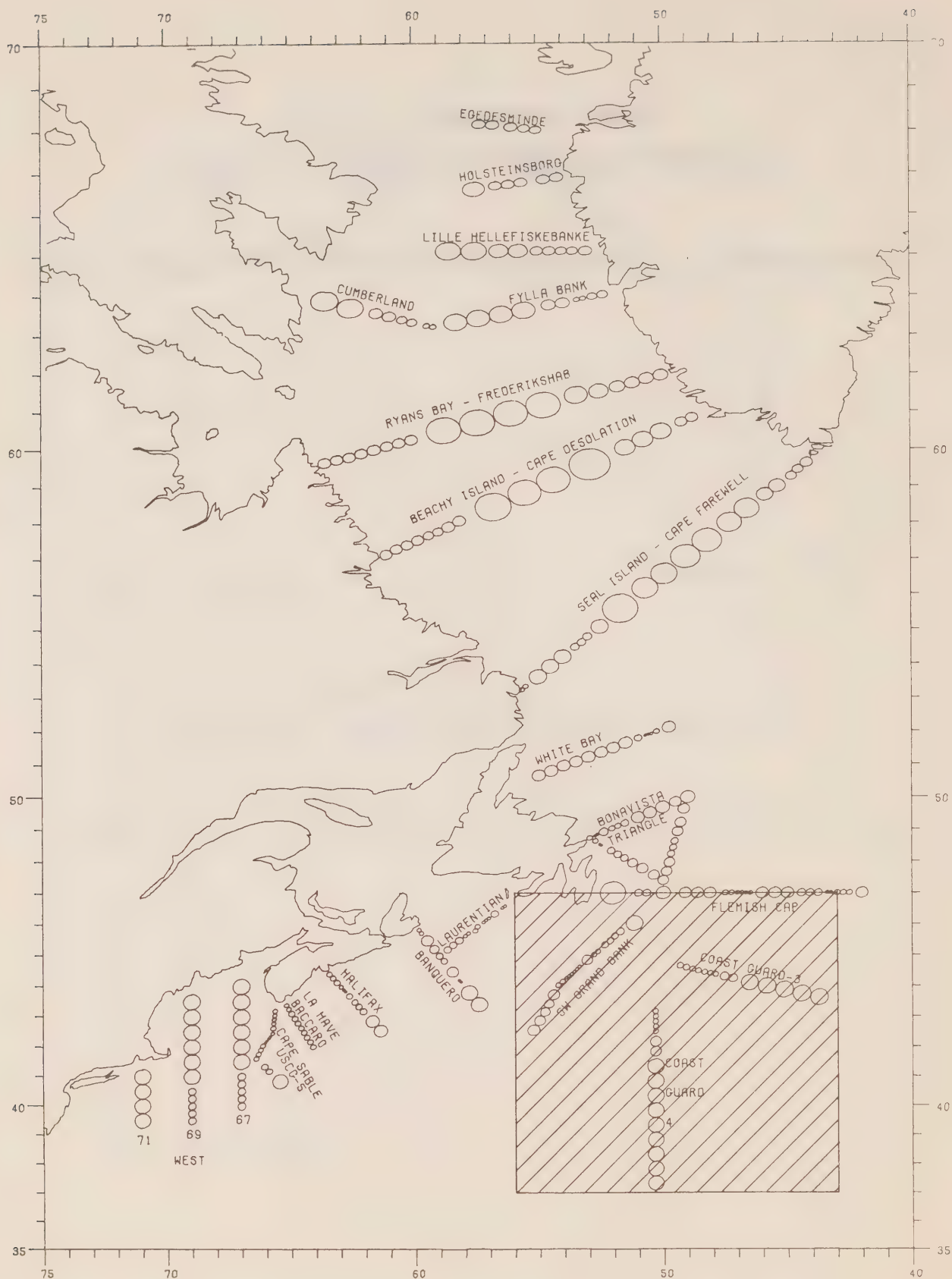
FLEMISH CAP SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 47.0000 43.4000 5.69 101.9

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	0																										0
3	1																										1
4	0																										0
5	0																										0
6	0																										0
7	12																										11
8	0																										0
9	0																										0
10	0																										0
11	0																										0
12	0																										0

TOTAL 13 STATIONS



D. South of Grand Banks

43.6333	43.7333	28.91	2626.0
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3-

MONTH	STATIONS	0123456789012345678901234567890123456																																				YEARS
1	0																																					0
2	5																																					5
3	3																																					3
4	1																																					1
5	0																																					0
6	0																																					0
7	1																																					1
8	5																																					4
9	0																																					0
10	1																																					1
11	4																																					4
12	0																																					0

TOTAL 20 STATIONS

43.7500	44.4333	28.91	2626.0
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3-

[illegible]

TOTAL 20 STATIONS

COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.8833	45.1333	28.80	2605.2

YEAR=19--

3- 4- 5- 6- 7-

MONTH STATIONS 01234567890123456789012345678901234567890123456 YEARS

[illegible]

TOTAL 23 STATIONS

COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.0000	45.8333	28.74	2595.5

YEAR= 19--

3- 4- 5- 6- 7-

MONTH STATIONS 01234567890123456789012345678901234567890123456 YEARS

[illegible]

TOTAL 40 STATIONS

COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.1167	46.5333	27.63	2397.7

YEAR=19--

[illegible]

COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.2500	47.2000	14.43	654.3

YEAR=19--

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.3167	47.5500	14.42	653.0

[illegible]

COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.3833	47.9000	8.81	244.1

		3-	4-	5-	6-	7-	
MONTH STATIONS		0123456789012345678901234567890123456	YEARS				
1	1					1	1
2	5					1 1 1 1	5
3	4					1 1 2	3
4	6					1 1 2 1	5
5	6					1 1 1 2 1	5
6	7					1 3 1 2	4
7	2					2	1
8	3					2 1	2
9	2					1 1	2
10	0						0
11	3					1 1	3
12	0						0

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COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.4167	48.1167	8.81	244.1

YEAR=19--

MONTH	STATIONS	3-									4-									5-									6-									7-									YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9						
1	0																																														0
2	4																																														4
3	4																																														3
4	7																																														6
5	9																																														7
6	6																																														3
7	2																																														2
8	2																																														2
9	2																																														2
10	0																																														0
11	3																																														3
12	0																																														0
TOTAL	39 STATIONS																																														

COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.4500	48.3500	9.46	281.0

YEAR=19--

MONTH	STATIONS	3-									4-									5-									6-									7-									YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9						
1	0																																														0
2	5																																														5
3	2																																														2
4	8																																														7
5	6																																														4
6	6																																														4
7	2																																														2
8	2																																														2
9	2																																														2
10	0																																														0
11	3																																														3
12	0																																														0
TOTAL	36 STATIONS																																														

COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.5000	48.6000	9.67	293.7

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9						
1	1																		1			1					
2	5																		1	1	1	1	5				
3	3																		1		1	1	3				
4	7																		1	2	2	1	5				
5	13																		1	1	3	2	1	7			
6	7																			1	2	2	5				
7	1																				1		1				
8	5																			1	1	1	2	4			
9	2																		1			1	2				
10	0																						0				
11	4																		1	1	1		4				
12	0																						0				
TOTAL	48 STATIONS																										

COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.5500	48.8333	9.67	293.7

YEAR=19--

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.6000	49.0833	10.57	351.3

TOTAL 77 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.6667	49.3333	10.57	351.3

TOTAL 46 STATIONS

COAST GUARD-4 SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 40.3333 50.3333 27.83 2433.4

		YEAR=19--																		
		3-			4-			5-			6-			7-						
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	YEARS	
1	3																	1 1	3	
2	2																	1 1	2	
3	1																	1	1	
4	2																	1	2	
5	2																	1	2	
6	6																	1	5	
7	1																	1	1	
8	1																	1	1	
9	0																		0	
10	2																	1 1	2	
11	5																	1	2	
12	1																	1	1	
TOTAL		26 STATIONS																		

COAST GUARD-4 SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 40.8333 50.3333 27.83 2433.4

		YEAR=19--																		
		3-			4-			5-			6-			7-						
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	YEARS	
1	3																1	1	3	
2	2																1	1	2	
3	2															1		1	2	
4	13				1	1				1	1	1	1	1	1		1	1	13	
5	16							1	1	1	2	1	1	1	1	1	1	1	15	
6	8				2				1	1				1			1	1	7	
7	2					1											1		2	
8	1																1		1	
9	0																		0	
10	2																1	1	2	
11	3									2							1		2	
12	1																	1	1	
TOTAL		53 STATIONS																		

COAST GUARD-4 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
41.3333	50.3333	27.83	2433.4

		YEAR=19--																														
		3-					4-					5-					6-					7-										
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	YEARS			
1	3																											3				
2	2																											2				
3	2																											2				
4	17																											17				
5	24																											18				
6	11																											10				
7	4																											3				
8	1																											1				
9	0																											0				
10	2																											2				
11	4																											2				
12	1																											1				
TOTAL	71 STATIONS																															

COAST GUARD-4 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
41.8333	50.3333	18.55	1081.5

[illegible]

COAST GUARD-4 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.1667	50.3333	18.55	1081.5

YEAR=19--

[illegible]

COAST GUARD-4 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.5000	50.3333	9.28	270.4

YEAR=19--

[illegible]

COAST GUARD-4 SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 42.6667 50.3333 9.28 270.4

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS	
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5
1	3																											3
2	2																											2
3	3																											3
4	15																											14
5	15																											12
6	12																											9
7	2																											1
8	1																											1
9	0																											0
10	2																											2
11	2																											2
12	0																											0

TOTAL 57 STATIONS

COAST GUARD-4 SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 42.8333 50.3333 9.28 270.4

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS	
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5
1	3																											3
2	2																											2
3	3																											3
4	20																											17
5	18																											15
6	8																											7
7	0																											0
8	4																											4
9	0																											0
10	2																											2
11	2																											2
12	0																											0

TOTAL 62 STATIONS

COAST GUARD-4 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.0000	50.3333	9.28	270.4

YEAR=19--

[illegible]

TOTAL 89 STATIONS

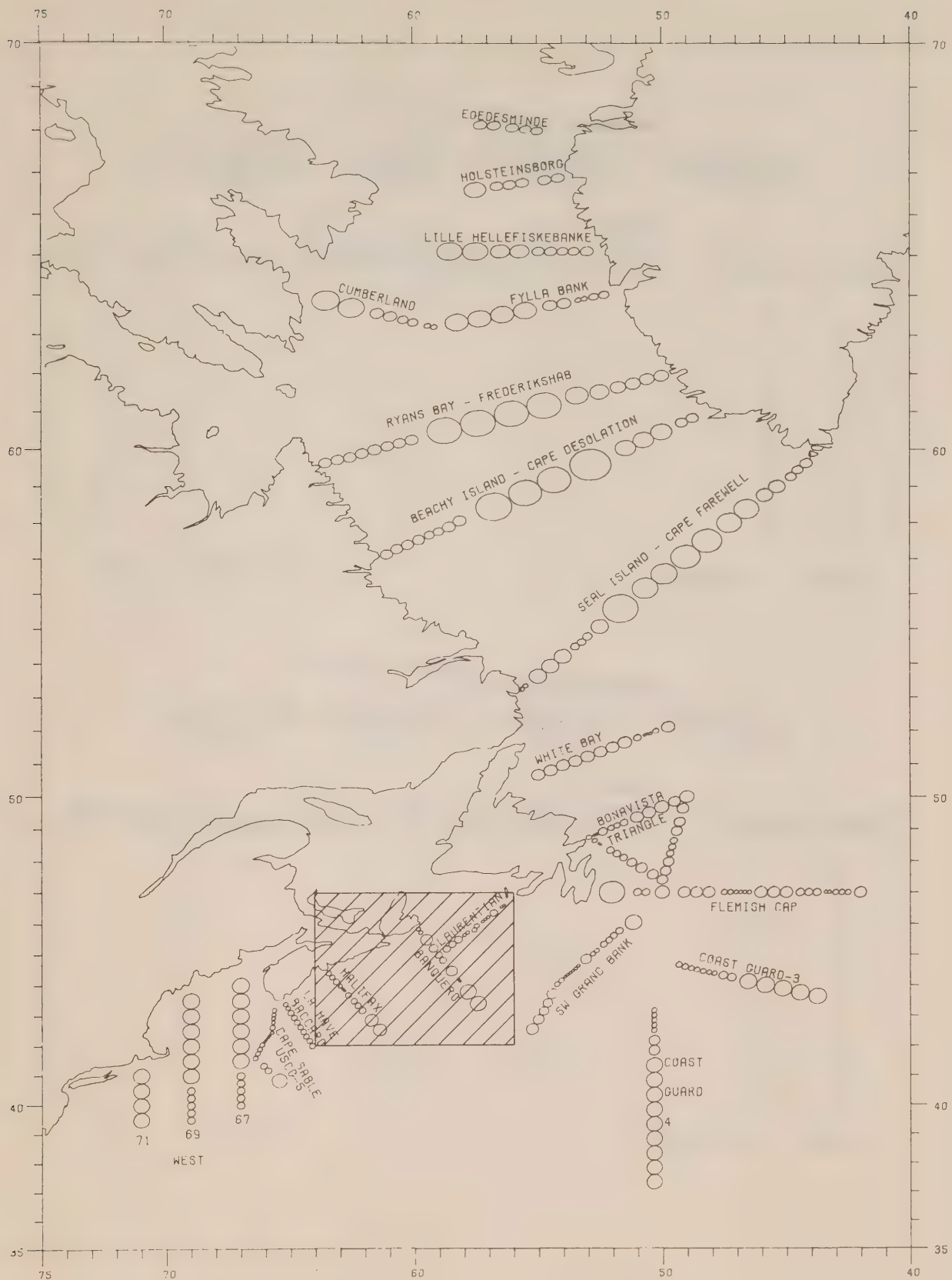
COAST GUARD-4 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.1667	50.3333	9.28	270.4

YEAR=19--

[illegible]

TOTAL 31 STATIONS



E. Nova Scotia - Gulf of St. Lawrence

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
45.8250	59.8500	7.17	161.6

[illegible]

TOTAL 25 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
45.4833	59.5167	19.28	1167.4

[illegible]

TOTAL 26 STATIONS

BANQUERO SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 45.2000 59.2333 14.58 667.5

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
1	0																										0
2	3												1	1	1												3
3	1												1														1
4	0																										0
5	3												1	1	1												3
6	1														1												1
7	1																					1					1
8	4												1	1	1												4
9	0																										0
10	4												1	1	1									1			4
11	6												1	1	1	1	1										6
12	0																										0

TOTAL 23 STATIONS

BANQUERO SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 44.8167 58.8500 11.56 419.9

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
1	0																										0
2	2												1	1													2
3	1												1														1
4	0																										0
5	3												1	1	1												3
6	1														1												1
7	0																										0
8	3												1		1												3
9	0																										0
10	3												1	1	1												3
11	6												1	1	1	1	1										6
12	0																										0

TOTAL 19 STATIONS

BANQUERO SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.4667	58.5000	18.48	1072.5

YEAR=19--

[illegible]

TOTAL 34 STATIONS

BANQUERO SECTION

LATITUDE (DEG)	LONGITUDE (DEG)	RADIUS (KM)	AREA (SQ KM)
44.1333	58.1667	4.34	59.3

YEAR=19--

[illegible]

TOTAL 19 STATIONS

BANQUERO SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.7833	57.8333	26.75	2247.2

YEAR=19--

[illegible]

HALIFAX SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.5333	61.4000	22.29	1560.3

YEAR=19--

[illegible]

HALIFAX SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.8500	61.7333	22.29	1560.3

YEAR=19--

[illegible]

HALIFAX SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 43.1717 62.1000 11.67 427.9

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	3																		1		1						3
2	13												1	1	1		3	1	1	1	1		1				11
3	6																	1	1	1	1		1				6
4	8																	1		3	1		1	1			6
5	11												1	1	1		1	1	1	2	1		1				10
6	7													1	1				1			2	1		1		6
7	5																	1	1	2			1				4
8	8												1	1	2	1		1	1								7
9	5												1					1	1	1		1					5
10	9														1	1		1	1	2		2			1		7
11	11												1	1	1	1		1	1	1	1	1					11
12	5																		1	1	1	1	1				5

TOTAL 91 STATIONS

HALIFAX SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 43.3333 62.2833 10.52 347.8

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	1																					1					1
2	5																	1			1	1	1		1		5
3	9																	1	2		1		2	1			6
4	4																	1		2							3
5	1																	1									1
6	1																				1						1
7	5																				1	1	2	1			4
8	5																				5						1
9	1																				1						1
10	1																							1			1
11	1																				1						1
12	1																				1						1

TOTAL 35 STATIONS

HALIFAX SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 43.4833 62.4417 10.52 347.8

		YEAR=19--																									YEARS
		3-					4-					5-					6-					7-					
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	3																										3
2	17																										13
3	15																										11
4	7																										6
5	12																										11
6	6																										5
7	12																										8
8	12																										8
9	8																										6
10	8																										6
11	11																										10
12	8																										5

TOTAL 119 STATIONS

HALIFAX SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 43.6817 62.6633 10.26 331.0

		YEAR=19--																									YEARS
		3-					4-					5-					6-					7-					
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	1																										1
2	4																										4
3	1																										1
4	2																										2
5	1																										1
6	3																										2
7	4																										4
8	8																										1
9	1																										1
10	1																										1
11	1																										1
12	1																										1

TOTAL 28 STATIONS

HALIFAX SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.8833	62.8833	4.04	51.3

YEAR=19--

MONTH	STATIONS	3-		4-		5-		6-		7-		YEARS						
		0	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5
1	2										1		1					2
2	11						1	1	1	1	1	1		1	1			11
3	4										1	1	1			1		4
4	5										1	1		1	1			5
5	9						1	1		1	1	1	1		1			9
6	6							1			1			2	1		1	5
7	8										1	2			1	2	1	6
8	7						1	1	2	1		1	1					6
9	5						1					1	1		1			5
10	6							1	1			2			2			4
11	11						1	1	1	1		1	1	1	1	2		10
12	5												1	2	1		1	4

TOTAL 79 STATIONS

HALIFAX SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.9800	62.9917	6.91	150.2

YEAR=19--

MONTH	STATIONS	3-		4-		5-		6-		7-		YEARS
		0	1	2	3	4	5	6	7	8	9	
1	1									1		1
2	3								1	1		3
3	1										1	1
4	1									1		1
5	1									1		1
6	0											0
7	1									1		1
8	0											0
9	1									1		1
10	1										1	1
11	2						1			1		2
12	0											0

TOTAL 12 STATIONS

HALIFAX SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.1250	63.1583	10.41	340.1

YEAR=19--

MONTH	STATIONS	3-		4-		5-		6-		7-		YEARS						
		0	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5
1	1										1							1
2	3										2	1						2
3	0																	0
4	1										1							1
5	1										1							1
6	2										1		1					2
7	1										1							1
8	5							1			4							2
9	1										1							1
10	0																	0
11	2										2							1
12	1										1							1

TOTAL 18 STATIONS

HALIFAX SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.2717	63.3200	9.14	262.6

YEAR=19--

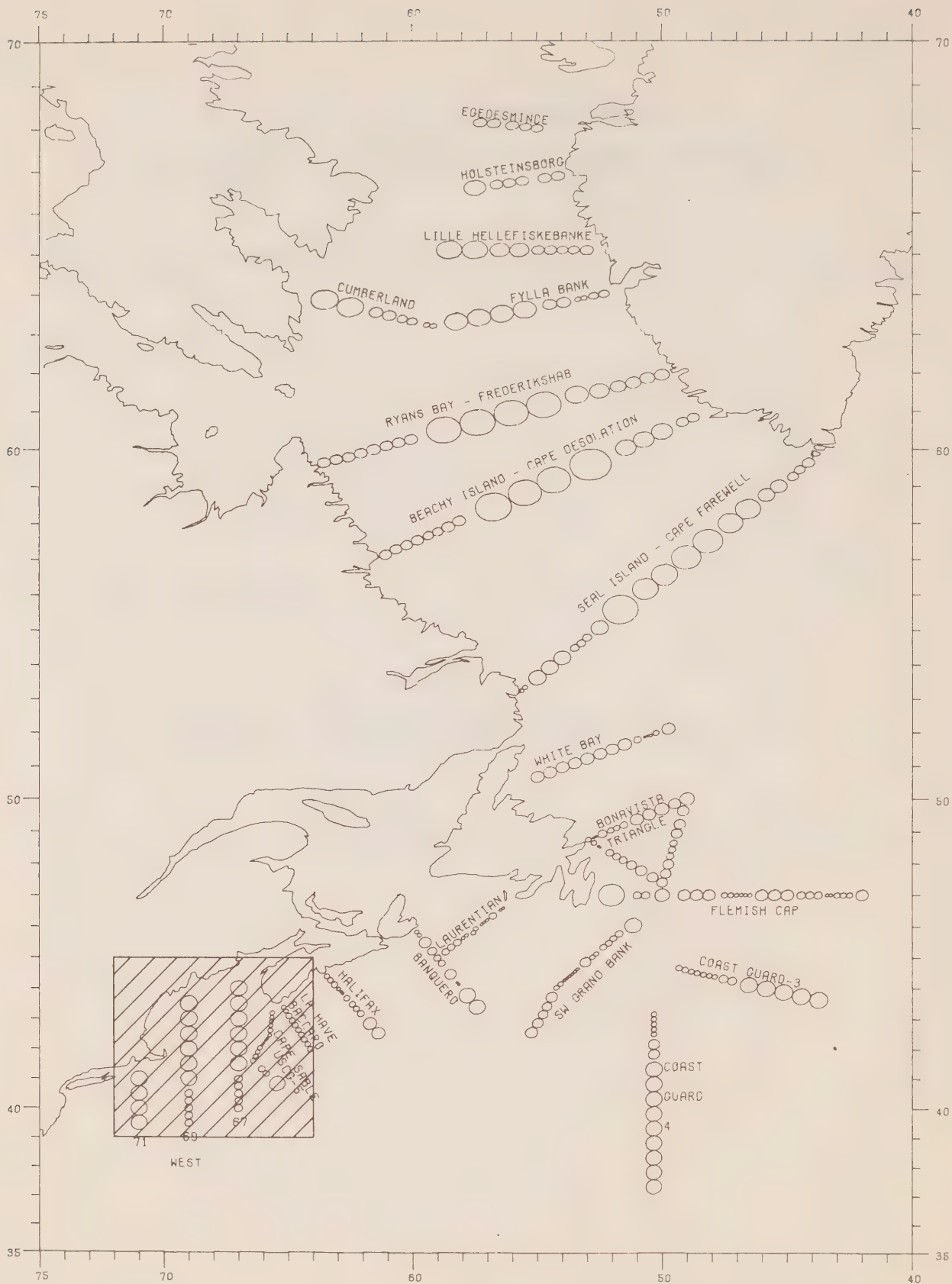
MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS	
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5
1	3																		1		1							3
2	12												1	1	1			1	2	1		1						11
3	3																			1	1							3
4	7																	1		2	1		1	1				6
5	10												1	1	1			1	1	1	1		1					10
6	6														1	1				1				2	1			5
7	6																	1		1	2					2		4
8	13												1	1		1	1	1	1				4		1			10
9	5												1							1	1			1				5
10	9													1	1			1	1	2				2			1	7
11	11												1	1	1			1	1	1	1		1					11
12	8																				1	1	2	1		1	2	6

TOTAL 93 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
44.4000	63.4633	9.14	262.6

		3-	4-	5-	6-	7-	
MONTH	STATIONS	01234567890123456789012345678901234567890123456	YEARS				
1	9		1 1 11		1 12 1		8
2	13		111		1 1 2 11 1 21		11
3	2				11		2
4	8		1 1		1 11 11 1		8
5	17		141111		1 11111 1 1		14
6	18		35 1 11		1 1 1 31		10
7	12		51 1		1 2 1 1		7
8	23		8 1111	1 1 1 1	111 4		13
9	11		31 1	1	1 111 1		9
10	9		1		111 11 1 2		8
11	9		1 1		11 11 1 1 1		9
12	8		1		121 12		6

111



F. Georges Bank - Bay of Fundy

LA HAVE - BACCARO SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.1000	64.9833	10.35	336.5

[illegible]

LA HAVE - BACCARO SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.9417	64.8500	10.02	315.2

		YEAR=19--																														
		3-					4-					5-					6-					7-										
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	YEARS			
1	2																												2			
2	1																												1			
3	1																												1			
4	2																												2			
5	1																												1			
6	2																												2			
7	7																												6			
8	0																												0			
9	0																												0			
10	1																												1			
11	1																												1			
12	0																												0			
TOTAL	18 STATIONS																															

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.6250	64.6000	9.62	290.9

TOTAL 12 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.4750	64.4833	9.62	290.9

TOTAL 22 STATIONS

CAPE SABLE - COAST GUARD-5 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.6167	65.7283	9.33	273.3

YEAR=19--

[illegible]

CAPE SABLE - COAST GUARD-5 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
41.8950	66.2367	8.75	240.4

YEAR=19--

[illegible]

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
41.7500	66.3233	8.84	245.2

TOTAL 13 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
41.3333	66.0750	11.68	428.9

TOTAL 19 STATIONS

CAPE SABLE - COAST GUARD-5 SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 40.8333 65.4500 26.57 2217.6

YEAR=19--

MONTH	STATIONS	3-		4-		5-		6-		7-		YEARS				
		0	1	2	3	4	5	6	7	8	9		0	1	2	3
1	0											0				
2	2										1	1	2			
3	3									1	1	3				
4	0											0				
5	2									1	1	2				
6	1										1	1				
7	0											0				
8	0											0				
9	3						1				1	3				
10	3			1							1	3				
11	0											0				
12	2									1	1	2				
TOTAL	16 STATIONS															

67-WEST SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 44.0000 67.0000 27.83 2433.4

		YEAR=19--																
		3-			4-			5-			6-			7-			YEARS	
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4		5
1	7												1			3	3	3
2	10												1			3	3	3
3	22				1	1						2						8*
4	23		1			2						1				3	3	*
5	8					1									4		3	
6	5																5	
7	22												1			3	3	2
8	28															*4	2	3
9	7					2									3			2
10	20																6	3
11	32														5		2	3
12	1					1												7*5

TOTAL 185 STATIONS

67-WEST SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 43.5000 67.0000 27.83 2433.4

		YEAR=19--															
		3-			4-			5-			6-			7-			YEARS
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
1	8				1							1			3	3	4
2	10										1	2		4	3		4
3	3				2				1								2
4	11				1										4	3	4
5	6				2								1		3		3
6	0																0
7	17				1										4	3	8
8	6												1	2		3	3
9	5				1	1										3	3
10	13				1							1	1		5	3	7
11	11										1	3		4	3		4
12	1				1												1

TOTAL 91 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.0000	67.0000	27.83	2433.4

[illegible]

TOTAL 76 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.5000	67.0000	27.83	2433.4

[illegible]

TOTAL 74 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
42.0000	67.0000	27.83	2433.4

TOTAL 128 STATIONS

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
41.5000	67.0000	27.83	2433.4

TOTAL 56 STATIONS

67-WEST SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 40.7500 67.0000 13.92 608.3

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	0																										0
2	2																										2
3	1																										1
4	2																										2
5	4																										2
6	6																										2
7	6																										2
8	1																										1
9	1																										1
10	0																										0
11	0																										0
12	0																										0

TOTAL 23 STATIONS

69-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.5000	69.0000	27.83	2433.4

YEAR= 19--

	3-	4-	5-	6-	7-	
MONTH STATIONS	01234567890123456789012345678901234567890123456	YEARS				

1	2			2		1
2	3			3		1
3	0					0
4	0					0
5	0					0
6	3			1	2	2
7	1	1				1
8	0					0
9	2	11				2
10	0					0
11	1			1		1
12	0					0

TOTAL 12 STATIONS

69-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
43.0000	69.0000	27.83	2433.4

YEAR=19--

	3-	4-	5-	6-	7-	
MONTH STATIONS	01234567890	1234567890	1234567890	1234567890	1234567890	YEARS

1	1				1							1
2	2				2							1
3	2		2									1
4	4		2	2								2
5	1		1									1
6	3		1				1		1			3
7	2		1 1									2
8	0											0
9	2		1 1									2
10	0											0
11	0											0
12	4		4									1

TOTAL 21 STATIONS

69-WEST SECTION

		LATITUDE(DEG)	LONGITUDE(DEG)										RADIUS(KM)	AREA(SQ KM)																		
		42.5000	69.0000										27.83	2433.4																		
		YEAR=19--																														
		3-			4-					5-					6-					7-												
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	YEARS
1	2							1																								2
2	0																															0
3	0																															0
4	0																															0
5	2								1		1																					2
6	2							1																						1		2
7	3								2																					1		2
8	2								2																							1
9	3								1	2																						2
10	0																															0
11	1									1																						1
12	1										1																					1
TOTAL	16 STATIONS																															

69-WEST SECTION

		LATITUDE(DEG)	LONGITUDE(DEG)						RADIUS(KM)						AREA(SQ KM)											
		42.0000	69.0000						27.83						2433.4											
		YEAR=19--																								
		3-			4-			5-			6-			7-												
MONTH	STATIONS	01	23	45	67	89	01	23	45	67	89	01	23	45	67	89	01	23	45	67	89	01	23	45	67	YEARS
1	4					1									2					1						3
2	1														1											1
3	1					1																				1
4	8					3														5						2
5	7					5	2																			2
6	22					2*																			2	
7	3					11																		1	3	
8	3						21																		2	
9	2					11																			2	
10	1					1																			1	
11	0																								0	
12	0																								0	
TOTAL	52 STATIONS																									

69-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
41.5000	69.0000	27.83	2433.4

YEAR=19--

MONTH	STATIONS	3-					4-					5-					6-					7-					YEARS
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9						
1	5					1				1								1				2				4	
2	1																	1								1	
3	3					1				2																2	
4	2					1				1																2	
5	3					1	1			1																3	
6	27					1				2												*				3	
7	3					1																			2	2	
8	0																									0	
9	3					1				1															1	3	
10	1														1											1	
11	2																								2	1	
12	0																									0	
TOTAL	50 STATIONS																										

69-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
41.0000	69.0000	27.83	2433.4

YEAR=19--

[illegible]

69-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
40.0000	69.0000	13.92	608.3

YEAR=19--

MONTH	STATIONS	3-		4-		5-		6-		7-		YEARS						
		0	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5
1	1										1							1
2	1								1									1
3	0																	0
4	1								1									1
5	0																	0
6	0																	0
7	0																	0
8	0																	0
9	4											1	2	1				3
10	5							2				1			2			3
11	0																	0
12	0																	0
TOTAL	12 STATIONS																	

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
41.0000	71.0000	27.83	2433.4

MONTH	STATIONS	3-		4-		5-		6-		7-		YEARS						
		0	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5
1	1						1											1
2	52							*	6								2	3
3	1																1	1
4	4			2			1	1										3
5	7					2	1			3							1	4
6	5					1											1	3
7	43			2		2	1	*									1	1
8	61				1	2	2	2	**	4			3					8
9	6					1			2						2	1		4
10	7			1		1	1	4										4
11	2					1	1											2
12	3			1			1								1			3

71-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ KM)
40.5000	71.0000	27.83	2433.4

[illegible]

126

71-WEST SECTION

LATITUDE(DEG) LONGITUDE(DEG) RADIUS(KM) AREA(SQ KM)
 40.0000 71.0000 27.83 2433.4

		YEAR=19--																										YEARS				
		3-			4-			5-			6-			7-																		
MONTH	STATIONS	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
1	5																														2	2
2	6																														2	3
3	0																															0
4	4																															3
5	11																															4
6	6																															5
7	7																															6
8	12																															6
9	6																															5
10	6																															4
11	0																															0
12	3																															3
TOTAL 66 STATIONS																																

TABLE 3
SPARSE OBSERVATIONS

A listing of sparse observations, i.e. bottle stations collected prior to 1930, and circles with less than 10 stations collected during or following 1930. The same general order of presentation of sections from north to south for each division (Fig. 2) is followed.

EGEDESMINDE SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)
		DATES	
68.0000	55.0000	9.90	307.8
68.0125	54.8000	2/ 8/1965	
68.0166	54.8500	5/ 8/1965	
68.0000	55.0000	23/ 7/1971	
68.0333	55.4667	9.90	307.8
67.9500	55.5000	7/12/1963	
68.0375	55.2333	2/ 8/1965	
68.0333	55.4666	23/ 7/1971	
68.0667	56.0000	11.25	397.7
68.0666	56.0000	22/ 7/1971	
68.1167	56.7333	11.44	411.4
68.0833	56.7500	11/ 6/1963	
68.0916	56.9333	2/ 8/1965	
68.0833	56.5833	22/ 7/1971	
68.1333	57.2833	11.44	411.4
68.1333	57.1000	11/ 6/1963	

HOLSTEINSBORG SECTION

LATITUDE (DEG)	LONGITUDE (DEG)	RADIUS (KM)	AREA (SQ. KM)
		DATES	
66.8833	54.1667	11.99	452.0
66.8333	54.7000	11.99	452.0
66.8333	54.5000	16/ 8/1924	
66.7667	55.6000	11.69	429.5
66.7167	56.1167	11.53	417.3
66.6833	56.6333	11.53	417.3
66.6500	56.7333	13/ 7/1966	
66.7166	56.7333	1/ 8/1968	
66.7333	56.5666	5/ 8/1968	
66.6833	56.6333	21/ 7/1971	
66.6833	56.6333	12/11/1971	
66.6833	56.6333	8/ 7/1972	
66.6000	57.5000	19.68	1216.8

LILLE HELLEFISKEBANKE SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)	DATES
65.1000	53.0000	12.50	490.8	
65.0833	53.2000			6/ 8/1924
65.1000	53.5333	10.55	349.4	
65.1000	53.9833	10.55	349.4	
65.1000	54.4667	11.72	431.4	
65.1000	54.9667	11.72	431.4	
65.1000	55.7167	18.36	1058.7	
65.1000	56.5000	18.36	1058.7	
65.0000	56.7833			22/ 4/1961
65.0666	56.1666			23/ 4/1961
65.1000	56.5000			7/ 6/1963
65.0000	56.5333			11/ 9/1965
65.1000	56.5000			11/ 7/1966
65.0000	56.4666			2/ 5/1968
65.1000	56.5000			20/ 7/1971
65.1000	57.5000	24.22	1842.4	
65.2333	57.1666			26/ 8/1959
65.0916	57.7500			7/ 6/1963
65.0000	57.0833			11/ 9/1965
65.0000	57.7166			11/ 9/1965
65.1166	58.0000			20/10/1969
65.1000	58.5333	24.22	1842.4	

FYLLA BANK SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)	DATES
64.0167	52.3167	10.54	349.3	
63.9333	52.2500	9/	6/1925	
63.9333	52.4000	9/	6/1925	
63.9333	52.2500	5/	7/1925	
63.9333	52.2500	21/	7/1925	
63.9667	52.7333	9.78	300.3	
63.9333	52.7833	4/	8/1924	
63.9333	52.7833	4/	8/1924	
63.9333	52.6833	8/	6/1925	
63.9333	52.6833	9/	6/1925	
63.9333	52.6833	18/	6/1925	
63.9333	52.6833	4/	7/1925	
63.9333	52.6833	13/	7/1925	
63.9333	52.6833	21/	7/1925	
63.9167	53.1167	6.40	128.6	
63.9166	53.0000	4/	8/1924	
63.8833	53.3667	6.40	128.6	
63.8000	53.9333	14.21	634.7	
63.7500	54.5000	14.21	634.7	
63.6167	55.5000	23.39	1718.0	
63.5167	56.4167	23.39	1718.0	
63.4666	56.2833	26/	4/1961	
63.5333	56.4500	17/	4/1963	
63.5166	56.4500	22/	4/1965	
63.5166	56.5666	6/	9/1965	
63.5000	56.6333	2/	4/1966	
63.5333	56.4500	1/	5/1968	
63.5333	56.4500	23/	4/1969	
63.5166	56.4166	19/	7/1971	
63.4167	57.3333	23.54	1740.9	
63.4000	57.4166	22/	4/1965	
63.4166	57.5000	6/	9/1965	
63.3833	57.5333	2/	4/1966	
63.4000	57.4166	1/	5/1968	
63.5000	57.0000	2/	3/1969	
63.3167	58.2500	23.54	1740.9	
63.1916	58.2166	1/	6/1963	
63.3500	58.4333	6/	9/1965	

CUMBERLAND SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)
		DATES	
63.8667	63.5333	27.39	2356.6
63.6833	62.5000	26.61	2225.3
63.5500	61.4667	14.03	618.5
63.6333	61.4333	7/ 9/1965	
63.4667	60.9333	13.68	587.6
63.3833	60.4167	10.65	356.6
63.3167	60.0167	10.65	356.6
63.2333	60.0333	18/ 6/1965	
63.2333	59.4333	6.94	151.4
63.2000	59.1667	6.94	151.4
63.2000	59.2666	6/ 9/1965	

RYANS BAY - FREDERIKSHAB SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)	DATES
59.6333	63.5667	14.80	687.9	
59.7166	63.6333			24/ 8/1928
59.7167	63.0667	14.50	660.8	
59.6333	63.1500			24/ 8/1928
59.6500	63.2000			25/ 9/1952
59.7233	63.0000			28/ 7/1966
59.7033	63.2466			28/ 7/1966
59.7833	62.5667	14.50	660.8	
59.8000	62.6666			23/ 9/1948
59.7700	62.6833			28/ 7/1966
59.8000	62.4033			28/ 7/1966
59.8833	62.0833	14.62	671.5	
59.8000	62.1000			28/ 7/1966
59.9833	61.5667	15.41	745.6	
59.8900	61.4500			27/ 7/1966
60.0833	61.0500	14.18	631.8	
60.0500	60.8666			8/ 9/1959
60.1666	60.8933			29/ 7/1966
60.1533	61.2383			29/ 7/1966
60.1667	60.5667	14.18	631.8	
60.2000	60.5250			31/ 5/1963
60.1783	60.5416			29/ 7/1966
60.2500	60.0667	14.59	668.3	
60.1916	60.1250			29/ 7/1966
60.2033	59.8466			29/ 7/1966
60.2033	59.8466			29/ 7/1966
60.5000	58.7500	38.53	4664.1	
60.3500	58.4000			26/ 8/1928
60.5666	59.2166			20/ 3/1962
60.7166	58.2333			20/ 3/1962
60.4333	59.3333			31/ 5/1963
60.4300	58.7950			30/ 7/1965
60.3333	58.2000			8/ 3/1970
60.7000	57.4000	38.53	4664.1	
60.8666	57.2500			20/ 3/1962
60.8000	57.5000			30/ 5/1963
60.9500	56.0500	37.46	4408.3	
61.0833	56.0500			26/ 7/1931
61.0666	55.6000			19/ 7/1948
60.8000	55.6666			4/ 5/1958
61.0333	56.2500			19/ 3/1962
61.1333	55.5166			30/ 5/1963
61.0666	55.5666			9/ 8/1965
61.0000	56.0000			4/ 8/1966

RYANS BAY - FREDERIKSHAB SECTION

LATITUDE (DEG)	LONGITUDE (DEG)	RADIUS (KM)	AREA (SQ. KM)
		DATES	
61.1667	54.7333	37.46	4408.3
60.9500	55.0333	29/ 7/1928	
61.4333	53.4167	24.99	1961.4
61.5333	52.5000	20.90	1371.7
61.6500	51.7500	16.78	884.9
61.7500	51.1500	16.25	830.0
61.8667	50.5833	15.98	802.0
61.9833	50.7500	10/ 7/1925	
61.9500	50.0000	15.98	802.0
61.9500	49.9166	10/ 7/1925	

BEACHY ISLAND - CAPE DESOLATION SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)	DATES
57.1167	61.1000	15.09	715.1	
57.2667	60.6833	14.55	665.2	
57.3833	60.2500	14.55	665.2	
57.5167	59.8167	14.91	698.3	
57.5000	59.8833			9/ 7/1955
57.5333	59.8666			11/ 9/1959
57.6500	59.3833	12.69	505.7	
57.6166	59.5000			24/ 6/1953
57.7500	59.0000	12.69	505.7	
57.8833	58.5833	15.80	784.6	
57.7833	58.4166			8/ 7/1963
58.0500	58.1500	15.80	784.6	
58.0000	58.0000			6/ 8/1966
58.4333	56.7667	42.46	5663.1	
58.5000	56.3000			11/ 4/1963
58.2250	57.0666			26/ 5/1963
58.4666	56.3666			8/ 7/1963
58.2433	56.4416			22/ 3/1966
58.8167	55.5000	38.71	4708.2	
58.8333	55.3333			11/ 4/1963
58.7833	55.1333			27/ 5/1963
58.8333	55.3333			8/ 7/1963
58.6133	55.4666			22/ 3/1966
59.0000	56.0000			18/ 8/1966
59.1667	54.3333	38.71	4708.2	
59.3000	54.3333			28/ 7/1928
58.9666	54.5000			29/ 7/1928
58.9500	54.4666			18/ 7/1948
59.1333	54.7833			4/ 9/1951
59.1333	54.7833			4/ 9/1951
59.4500	54.3500			23/ 3/1962
59.1333	54.3333			12/ 4/1963
59.0833	54.5000			7/ 7/1963
59.2666	53.9166			10/ 8/1965
59.0716	54.6083			23/ 3/1966
59.0000	54.0000			18/ 8/1966

BEACHY ISLAND - CAPE DESOLATION SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)
		DATES	
59.5833	52.8667	46.90	6910.9
60.0333	51.4500	23.23	1696.0
60.2500	50.7333	23.23	1696.0
60.3833	50.8000	27/ 8/1928	
60.0500	50.8333	26/ 8/1960	
60.2500	50.7333	10/ 4/1963	
60.2500	50.7500	12/ 4/1963	
60.2500	50.7833	6/ 7/1963	
60.2500	50.7333	10/ 4/1964	
60.2500	50.7333	8/ 4/1967	
60.2500	50.7333	19/ 4/1969	
60.4667	50.0000	23.52	1737.3
60.7167	49.1833	13.45	568.2
60.8333	48.7500	13.45	568.2

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)	DATES
53.2333	55.6500	7.48	175.6	
53.3333	55.5000	7.48	175.6	
53.6167	55.0000	23.44	1726.1	
53.7500	55.2666			22/ 7/1928
53.9167	54.5000	22.71	1619.7	
54.1166	54.4666			23/ 7/1928
54.2000	54.0000	22.63	1608.3	
54.2833	54.0500			23/ 7/1928
54.4833	53.5000	11.37	405.9	
54.4333	53.6333			23/ 7/1928
54.6167	53.2333	11.37	405.9	
54.5500	53.3666			23/ 7/1928
54.7833	53.0000	11.93	447.3	
55.0667	52.5000	22.46	1584.9	
55.5833	51.6667	45.05	6375.1	
56.1667	50.6667	32.47	3312.4	
56.5667	49.9000	32.47	3312.4	
57.0500	49.0333	36.16	4107.6	
56.9166	48.9000			4/ 9/1928
57.5000	48.1667	36.16	4107.6	
57.4500	48.3833			4/ 9/1928
58.0000	47.2667	29.61	2755.2	
58.2000	47.2666			3/ 9/1928
58.3833	46.5667	29.61	2755.2	
58.6000	46.7333			3/ 9/1928
58.7667	45.8333	19.38	1179.8	
58.7500	45.8500			13/ 7/1939
58.8166	45.7166			28/ 6/1940
58.8666	45.5666			9/ 7/1949
58.6666	46.0166			22/ 7/1951
58.6333	45.9500			20/ 7/1952
58.7000	46.1333			18/ 7/1956
58.6833	46.0166			5/ 7/1958
58.6500	46.0166			11/ 7/1961
58.7833	45.5166			27/ 2/1962

SEAL ISLAND - CAPE FAREWELL SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)
			DATES
59.0000	45.3333	19.38	1179.8
59.2667	44.7667	12.70	506.9
59.2833	44.5833	22/ 8/1924	
59.2833	44.5833	22/ 8/1924	
59.4500	44.5000	12.70	506.9
59.6333	44.1500	14.20	633.5
59.6666	44.3333	2/ 9/1928	

WHITE BAY SECTION

LATITUDE (DEG)	LONGITUDE (DEG)	RADIUS (KM)	AREA (SQ. KM)
			DATES
50.6667	55.0000	19.11	1147.8
50.5833	55.1166	25/ 7/1952	
50.8000	54.5000	19.11	1147.8
50.9617	54.0000	18.77	1106.9
51.0833	53.5000	18.77	1106.9
51.2250	53.0000	19.15	1152.7
51.3667	52.4833	18.34	1056.8
51.3500	52.5000	25/ 8/1952	
51.2750	52.6666	15/ 8/1960	
51.4166	52.5000	13/ 5/1969	
51.5000	52.4666	11/ 6/1969	
51.5000	52.0000	18.34	1056.8
51.5000	52.2166	4/ 6/1955	
51.4250	52.2166	13/ 5/1969	
51.4416	51.9166	13/ 5/1969	
51.4916	51.9166	11/ 6/1969	
51.6467	51.5000	19.22	1160.7
51.5666	51.5166	3/ 6/1955	
51.7833	51.4833	29/ 9/1955	
51.4916	51.3833	11/ 6/1969	
51.6000	51.7666	30/ 9/1969	
51.7883	50.9917	10.73	361.7
51.8500	51.0166	6/11/1959	
51.8666	51.0666	6/ 8/1969	
51.8667	50.7067	3.99	50.0
51.8950	50.6000	3.99	50.0
51.9167	50.4667	4.74	70.4
51.9933	50.2500	8.57	230.8
52.1167	49.7500	18.44	1068.1
52.0500	49.6333	3/ 6/1955	

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)
		DATES	
48.7333	52.9667	8.77	241.8
48.8000	52.7500	4.11	53.0
48.8333	52.6500	4.11	53.0
48.9167	52.4000	13.59	580.3
49.0250	52.0667	9.59	288.8
49.1000	51.8300	9.59	288.8
49.1900	51.5417	11.63	425.1
49.3667	51.0167	19.38	1180.3
49.5167	50.5333	19.38	1180.3
49.6833	50.0167	20.76	1354.3
49.8500	49.5000	17.22	931.4
49.6333	49.1583	17.22	931.4
50.0000	49.0000	21.19	1410.2
49.2183	49.2967	16.46	850.7
48.9333	49.4167	16.46	850.7
48.6317	49.5383	11.27	399.1
48.4333	49.6000	11.27	399.1
48.5333	49.5833	3/ 6/1949	
48.5000	49.5000	28/ 7/1950	
48.5166	49.5833	7/ 4/1952	
48.5000	49.6666	25/ 6/1954	
48.5000	49.5000	27/ 4/1955	
48.4166	49.5833	7/ 9/1959	
48.5166	49.5166	5/ 6/1960	
48.2333	49.6833	11.55	419.2
47.9700	49.7500	16.54	859.6
47.6833	49.8667	16.54	859.6

BONAVISTA TRIANGLE SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)
		DATES	
47.4000	50.0000	16.55	860.2
47.5667	50.3833	17.15	923.6
47.7733	50.8417	17.52	964.6
47.9467	51.2333	15.06	712.6
48.1000	51.5667	11.84	440.5
48.2167	51.8333	11.82	439.1
48.3333	52.1000	11.82	439.1
48.5000	52.4883	3.18	31.7
48.5000	52.5000	1/ 5/1951	
48.4916	52.4666	15/ 6/1961	
48.5000	52.4666	4/ 5/1962	
48.4833	52.4833	12/ 6/1962	
48.5166	52.5166	30/ 5/1963	
48.5333	52.5583	3.18	31.7
48.5333	52.5666	8/ 7/1948	
48.5333	52.5666	12/ 7/1953	
48.5166	52.5333	8/ 6/1955	
48.5333	52.5166	29/ 9/1956	
48.5333	52.5333	23/ 7/1957	
48.5333	52.5333	28/ 6/1958	
48.5333	52.5666	4/ 6/1960	
48.5416	52.5500	5/ 7/1961	
48.5375	52.5166	27/10/1969	
48.6333	52.7333	8.52	227.8

FLEMISH CAP SECTION

LATITUDE (DEG)	LONGITUDE (DEG)	RADIUS (KM)	AREA (SQ. KM)	DATES
47.0000	52.0333	39.23	4834.0	
47.0000	51.0000	12.65	503.0	
47.0000	50.6667	12.65	503.0	
47.0166	50.6250			1/ 3/1968
47.0000	50.0000	22.26	1557.3	
47.0000	49.1167	18.98	1131.8	
47.0000	48.6167	18.98	1131.8	
47.0000	48.1167	18.98	1131.8	
47.0000	47.5000	9.49	283.0	
47.0000	47.2500	8.86	246.5	
47.0000	47.0167	6.96	152.2	
47.0000	46.8333	6.20	120.8	
47.0000	46.6700	6.20	120.8	
47.0000	46.4833	7.09	157.7	
47.0000	46.0167	19.61	1208.5	
47.0000	45.5000	19.42	1185.2	
47.0000	44.9883	19.42	1185.2	
47.0000	44.4333	13.29	554.6	
47.0000	44.0833	12.65	503.0	
47.0000	43.7500	12.65	503.0	
47.0000	43.4000	5.69	101.9	
47.0000	43.2500	5.69	101.9	
47.0000	43.0000	9.49	283.0	
47.0000	43.0000			25/ 7/1966
47.0000	43.0833			8/ 4/1968
47.0000	42.7500	9.49	283.0	
47.0000	42.5000	9.49	283.0	
47.0000	42.0000	18.98	1131.8	

COAST GUARD-3 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)
		DATES	
43.6333	43.7333	28.91	2626.0
43.7500	44.4333	28.91	2626.0
43.8833	45.1333	28.80	2605.2
44.0000	45.8333	28.74	2595.5
44.1167	46.5333	27.63	2397.7
44.2500	47.2000	14.43	654.3
44.3167	47.5500	14.42	653.0
44.3833	47.9000	8.81	244.1
44.4167	48.1167	8.81	244.1
44.4500	48.3500	9.46	281.0
44.5000	48.6000	9.67	293.7
44.5500	48.8333	9.67	293.7
44.6000	49.0833	10.57	351.3
44.6667	49.3333	10.57	351.3

COAST GUARD-4 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)	DATES
37.3333	50.3333	27.83	2433.4	
37.8333	50.3333	27.83	2433.4	
37.9000	50.1000			6/ 5/1968
38.3333	50.3333	27.83	2433.4	
38.8333	50.3333	27.83	2433.4	
39.3333	50.3333	27.83	2433.4	
39.8333	50.3333	27.83	2433.4	
40.0000	50.4833			15/11/1956
40.0000	50.4833			15/11/1956
40.0000	50.1000			24/ 5/1958
40.0000	50.2833			9/ 4/1960
40.0083	50.3333			27/ 5/1969
40.3333	50.3333	27.83	2433.4	
40.2500	50.6166			27/ 6/1910
40.8333	50.3333	27.83	2433.4	
41.3333	50.3333	27.83	2433.4	
41.4500	50.2333			29/ 4/1926
41.1000	50.2666			29/ 4/1926
41.5333	50.3166			27/ 6/1926
41.1500	50.3333			27/ 6/1926
41.8333	50.3333	18.55	1081.5	
41.8000	50.2166			29/ 4/1926
41.9333	50.3166			27/ 6/1926
42.1667	50.3333	18.55	1081.5	
42.3166	50.3666			20/ 9/1913
42.1333	50.2333			29/ 4/1926
42.0833	50.3500			20/ 5/1926
42.2000	50.3000			16/ 6/1926
42.5000	50.3333	9.28	270.4	
42.4833	50.2333			29/ 4/1926
42.5333	50.3000			16/ 6/1926
42.6667	50.3333	9.28	270.4	
42.7000	50.3000			16/ 6/1926
42.8333	50.3333	9.28	270.4	
42.7666	50.2666			27/ 6/1926
43.0000	50.3333	9.28	270.4	
43.0166	50.4000			20/ 9/1913
43.1667	50.3333	9.28	270.4	

SW GRAND BANKS SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)	DATES
46.0333	51.1667	26.50	2205.8	
45.9666	51.4166			2/ 7/1910
45.8833	51.2000			7/ 9/1933
45.9166	50.9666			16/ 5/1951
45.7667	51.7333	12.33	477.6	
45.6167	51.9667	10.99	379.5	
45.4667	52.1500	10.99	379.5	
45.5000	52.1166			18/ 6/1948
45.5000	52.0833			21/ 3/1958
45.5333	52.1000			31/10/1958
45.5000	52.0833			7/ 8/1959
45.3333	52.3667	11.26	398.3	
45.4083	52.2716			7/10/1961
45.1250	52.6500	8.67	235.9	
45.0167	52.8083	8.67	235.9	
44.8500	53.0833	17.38	949.4	
44.9166	53.0833			16/ 6/1930
44.7166	53.0000			15/ 3/1935
44.9666	53.1833			16/ 4/1935
44.9333	52.9500			31/ 3/1947
44.9333	52.9166			20/ 3/1948
44.8500	53.2833			26/ 8/1948
44.8500	53.2833			26/ 8/1948
44.6333	53.4000	6.10	117.0	
44.6333	53.4500			16/ 4/1935
44.5500	53.5000	6.10	117.0	
44.6000	53.4833			11/ 4/1934
44.5333	53.4500			16/ 3/1935
44.5000	53.5000			17/ 3/1935
44.5000	53.5000			18/ 3/1935
44.5833	53.5500			16/ 4/1935
44.4667	53.6167	5.44	92.9	
44.4000	53.7167	5.44	92.9	
44.4333	53.7000			22/ 8/1971
44.3333	53.8333	5.44	93.1	

SW GRAND BANKS SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)
			DATES
44.2667	53.9333	5.44	93.1
44.1500	54.0833	9.30	272.0
44.0333	54.2500	9.30	272.0
43.7200	54.4367	18.68	1096.4
43.7833	54.4833	23/ 6/1936	
43.7666	54.5166	3/ 7/1954	
43.6500	54.4833	18/ 4/1960	
43.6500	54.4833	18/ 4/1960	
43.6166	54.6000	23/11/1960	
43.4150	54.6300	16.01	804.8
43.2833	54.7000	24/ 3/1936	
43.4000	54.6000	24/ 6/1936	
43.1500	54.7833	16.01	804.8
43.2166	54.6833	4/10/1936	
42.8667	55.0000	18.07	1025.7
42.8833	55.0333	4/10/1936	
43.0000	55.0000	16/ 8/1956	
43.0000	55.0000	13/ 7/1961	
43.0000	55.0000	13/ 7/1961	
42.5500	55.2500	20.38	1304.5
42.5166	55.3666	4/10/1936	
42.5333	55.4500	11/ 9/1965	

LAURENTIAN SECTION

LATITUDE (DEG)	LONGITUDE (DEG)	RADIUS (KM)	AREA (SQ. KM)	DATES
46.5833	56.3883	5.12	82.3	
46.5666	56.4500			31/ 5/1953
46.6000	56.4500			10/ 7/1962
46.5250	56.4917	5.12	82.3	
46.3400	56.8000	11.89	444.0	
46.2833	56.7833			26/ 9/1933
46.3666	56.7500			2/ 6/1951
46.2000	57.0333	5.83	106.8	
46.1638	57.0805			21/ 5/1968
46.1666	57.0875			21/ 3/1969
46.1333	57.1500	5.35	90.1	
46.1541	57.1166			21/ 5/1968
46.1666	57.1750			21/ 5/1968
46.1416	57.0916			22/ 3/1969
46.1500	57.1916			22/ 3/1969
46.1666	57.1583			22/ 3/1969
46.0667	57.2500	5.35	90.1	
45.9300	57.4917	8.40	221.5	
45.7933	57.5833	8.40	221.5	
45.7833	57.5666			28/ 7/1915
45.8333	57.5833			16/ 2/1956
45.7333	57.5833			20/ 9/1956
45.7500	57.5500			18/ 3/1958
45.7666	57.4833			22/10/1958
45.7666	57.5000			2/ 6/1959
45.7666	57.5000			29/ 7/1959
45.7133	57.8583	6.59	136.5	
45.7333	57.8500			18/ 7/1972
45.6333	57.9833	6.59	136.5	
45.6333	58.0000			28/ 7/1915
45.6833	57.9666			16/ 2/1956
45.6166	57.9833			4/ 2/1969
45.4833	58.2250	12.85	518.8	
45.5000	58.0833			9/ 7/1934
45.5000	58.2500			9/ 7/1934
45.4250	58.2166			12/ 8/1958
45.4791	58.3875			19/ 7/1971

LAURENTIAN SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)
		DATES	
45.3333	58.4750	12.14	463.2
45.3333	58.3500	4/ 2/1969	
45.2666	58.5000	28/ 7/1970	
45.3333	58.5000	17/ 7/1972	
45.3833	58.5666	17/ 7/1972	
45.4166	58.4166	1/ 8/1974	
45.1833	58.7000	12.14	463.2
45.2500	58.8166	5/ 5/1948	
45.1833	58.5833	20/ 9/1956	
45.1055	58.7458	28/ 7/1970	
45.1666	58.8333	26/10/1974	

BANQUERO SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)
			DATES
45.8250	59.8500	7.17	161.6
45.7167	59.7500	7.17	161.6
45.7500	59.7500	16/ 7/1972	
45.4833	59.5167	19.28	1167.4
45.2000	59.2333	14.58	667.5
44.9833	59.0250	11.56	419.9
44.9833	59.0666	9/ 5/1954	
44.9958	58.9041	28/ 1/1973	
44.9500	59.0833	29/ 7/1974	
44.8167	58.8500	11.56	419.9
44.4667	58.5000	18.48	1072.5
44.3166	58.5000	26/ 7/1915	
44.1950	58.2333	4.34	59.3
44.1666	58.2333	7/10/1936	
44.1833	58.2333	26/ 8/1950	
44.1833	58.2750	25/ 6/1966	
44.1666	58.2666	26/ 6/1966	
44.1333	58.1667	4.34	59.3
43.7833	57.8333	26.75	2247.2
43.8666	57.5500	26/ 7/1915	
43.9500	57.7666	26/ 7/1915	
43.4000	57.4333	26.75	2247.2
43.4666	57.3000	31/ 5/1915	
43.6166	57.4500	22/ 6/1952	
43.3500	57.5000	22/ 6/1952	
43.3500	57.5000	23/ 6/1959	
43.5000	57.4833	4/ 9/1965	

HALIFAX SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)
		DATES	
42.5333	61.4000	22.29	1560.3
42.6833	61.3500	24/ 7/1915	
42.8500	61.7333	22.29	1560.3
42.9666	61.5666	24/ 7/1915	
43.1717	62.1000	11.67	427.9
43.3333	62.2833	10.52	347.8
43.4833	62.4417	10.52	347.8
43.6817	62.6633	10.26	331.0
43.8300	62.8150	4.04	51.3
43.8333	62.8333	26/ 8/1955	
43.8333	62.8500	26/ 6/1957	
43.8333	62.8500	7/10/1959	
43.8583	62.8333	2/12/1962	
43.8300	62.8333	19/ 4/1969	
43.8300	62.8250	24/ 6/1969	
43.8366	62.8183	19/ 1/1971	
43.8833	62.8833	4.04	51.3
43.9800	62.9917	6.91	150.2
44.1250	63.1583	10.41	340.1
44.2717	63.3200	9.14	262.6
44.4000	63.4633	9.14	262.6

LA HAVE - BACCARO SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)	DATES
43.3833	65.2000	8.05	203.6	
43.3333	65.2000			14/ 8/1932
43.3666	65.2166			9/ 8/1960
43.3666	65.1333			3/ 3/1973
43.2583	65.1000	8.05	203.6	
43.2333	65.0333			21/ 7/1915
43.2333	65.1500			11/ 7/1960
43.2750	65.1583			4/ 8/1961
43.2500	65.1016			7/ 9/1961
43.2500	65.0083			15/10/1969
43.2408	65.0716			15/ 7/1973
43.1000	64.9833	10.35	336.5	
42.9417	64.8500	10.02	315.2	
42.9166	64.8500			22/ 7/1915
42.7833	64.7333	10.02	315.2	
42.8000	64.6500			6/ 3/1936
42.7000	64.7500			5/ 3/1954
42.7500	64.6333			24/ 5/1965
42.7333	64.7500			11/ 2/1967
42.7333	64.7500			2/ 5/1967
42.7333	64.7500			3/ 8/1967
42.7333	64.7500			14/11/1967
42.7525	64.7716			27/ 6/1972
42.6250	64.6000	9.62	290.9	
42.6000	64.6833			22/ 7/1915
42.4750	64.4833	9.62	290.9	
42.5500	64.5000			19/ 3/1920
42.3167	64.3667	9.99	313.8	
42.3666	64.2666			24/ 6/1915
42.3833	64.3666			22/11/1931
42.3000	64.3500			31/ 3/1954
42.3666	64.3833			11/11/1966
42.2916	64.4750			8/ 9/1968
42.2500	64.4333			7/ 3/1971
42.1667	64.2333	9.99	313.8	
42.2333	64.3000			5/ 7/1962
42.2166	64.2000			25/10/1969
42.0000	64.1167	10.45	343.3	
41.9500	64.1000			31/ 3/1954
42.0000	64.0000			22/ 8/1954
42.0000	64.0000			22/ 8/1954
42.0000	64.0000			25/ 8/1954

CAPE SABLE - COAST GUARD-5 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ. KM)	DATES
43.1917	65.6517	8.11	206.7	
43.2333	65.6166			2/ 9/1915
43.2166	65.6333			9/ 9/1933
43.1666	65.7000			26/ 3/1934
43.1833	65.6750			9/ 7/1960
43.1833	65.6750			9/ 7/1960
43.2000	65.6666			15/ 6/1962
43.2000	65.6666			3/ 7/1962
43.1833	65.6666			3/ 5/1967
43.1833	65.6500			3/ 3/1973
43.0467	65.6717	7.27	166.2	
43.0833	65.6500			9/ 9/1933
43.1000	65.6333			21/10/1933
43.0666	65.7500			9/11/1959
43.0166	65.6166			26/10/1969
43.1000	65.6833			2/ 8/1970
42.9167	65.6900	7.27	166.2	
42.9166	65.6833			25/ 7/1914
42.9333	65.6833			21/10/1933
42.9166	65.7333			26/ 3/1934
42.9221	65.6721			3/ 7/1971
42.7833	65.7083	7.46	174.8	
42.7666	65.7166			21/10/1933
42.7883	65.6883			16/ 7/1973
42.7583	65.7333			10/ 3/1974
42.7666	65.6666			21/ 2/1975
42.6167	65.7283	9.33	273.3	
42.6000	65.8333			13/ 3/1920
42.4500	65.7517	6.76	143.7	
42.5000	65.7833			9/ 9/1933
42.4000	65.7166			19/ 8/1954
42.4033	65.7083			12/ 4/1964
42.4166	65.7833			12/ 6/1964
42.4050	65.7700			20/ 3/1970
42.4133	65.7416			20/ 3/1970
42.4861	65.7000			3/ 7/1971
42.4500	65.7666			17/ 2/1975
42.3517	65.8483	4.53	64.6	
42.3833	65.8333			10/ 2/1951
42.3666	65.8666			1/ 5/1951
42.3666	65.8166			9/10/1952
42.3833	65.8333			27/ 7/1962
42.3666	65.8666			18/ 2/1963
42.3500	65.8533			11/ 4/1963
42.3550	65.8116			25/ 7/1966
42.3716	65.8383			26/ 7/1966
42.3833	65.8666			30/ 1/1969

CAPE SABLE - COAST GUARD-5 SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)	DATES
42.2850	65.9117	4.53	64.6	
42.2750	65.9500	17/	1/1967	
42.2750	65.9500	18/	1/1967	
42.2050	65.9917	4.19	55.2	
42.1800	66.0000	10/	4/1963	
42.2166	66.0333	14/	11/1972	
42.1417	66.0467	4.19	55.2	
42.1416	66.0833	19/	8/1961	
42.1450	66.0750	10/	4/1963	
42.1333	66.0000	23/	5/1965	
42.1466	66.0833	9/	2/1967	
42.1466	66.0833	13/	11/1967	
42.1666	66.0800	20/	3/1970	
42.0383	66.1500	8.75	240.4	
42.0500	66.2500	13/	3/1920	
42.1000	66.1500	10/	9/1933	
42.0500	66.1833	8/	1/1940	
42.0000	66.0833	25/	4/1951	
42.0000	66.1000	13/	10/1961	
42.0583	66.1833	27/	10/1961	
42.0083	66.1083	12/	4/1964	
42.0666	66.1950	24/	7/1965	
42.0166	66.1666	19/	7/1970	
41.8950	66.2367	8.75	240.4	
41.8500	66.3000	14/	8/1926	
41.7500	66.3233	8.84	245.2	
41.6000	66.4167	9.21	266.3	
41.6333	66.4333	17/	4/1920	
41.6366	66.4666	23/	8/1964	
41.5300	66.3833	23/	8/1964	
41.6333	66.5000	28/	7/1970	
41.6500	66.4833	28/	7/1970	
41.3333	66.0750	11.68	428.9	
41.2833	66.1500	16/	4/1920	
41.1750	65.8917	11.68	428.9	
41.2333	65.9166	11/	10/1961	
41.1833	65.9833	12/	10/1961	
41.2166	65.8333	29/	7/1962	
41.2500	65.8000	30/	7/1962	
41.1666	65.9471	24/	4/1968	
40.8333	65.4500	26.57	2217.6	

67-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)	DATES
44.0000	67.0000	27.83	2433.4	
43.9333	66.8333		12/ 8/1913	
43.8166	66.8500		12/ 8/1914	
43.9000	66.8833		23/ 3/1920	
43.8833	66.8500		13/ 4/1920	
43.9833	66.8666		4/ 1/1921	
44.1500	66.8500		21/ 8/1929	
43.5000	67.0000	27.83	2433.4	
43.4000	67.2000		12/ 8/1913	
43.4166	66.7166		12/ 8/1913	
43.4500	66.8500		19/ 6/1915	
43.0000	67.0000	27.83	2433.4	
43.2333	67.1166		6/ 5/1915	
43.1666	67.2000		24/ 3/1920	
42.5000	67.0000	27.83	2433.4	
42.3666	67.1833		23/ 7/1914	
42.3333	67.2166		11/ 3/1920	
42.3666	67.0333		17/ 4/1920	
42.4666	67.0833		19/ 8/1926	
42.0000	67.0000	27.83	2433.4	
42.0500	66.9500		23/ 7/1914	
41.9166	66.8833		11/ 3/1920	
41.9666	66.7166		17/ 4/1920	
42.1000	67.3000		13/ 8/1926	
41.5000	67.0000	27.83	2433.4	
41.5666	66.7500		12/ 3/1920	
41.0000	67.0000	13.92	608.3	
40.9333	66.9833		26/ 6/1933	
41.0166	67.0500		9/ 5/1934	
41.1166	67.0000		11/ 5/1941	
40.9000	67.0833		8/ 5/1954	
40.9700	67.0466		23/ 8/1964	
41.1000	67.0833		22/ 7/1970	
40.7500	67.0000	13.92	608.3	
40.5000	67.0000	13.92	608.3	
40.6000	67.0833		10/ 5/1934	
40.5666	67.0000		2/ 3/1936	
40.4500	67.1166		11/10/1964	
40.5500	67.0833		12/10/1964	
40.4333	67.0333		12/10/1964	
40.4500	67.0500		13/10/1964	

67-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)
			DATES
40.2500	67.0000	13.92	608.3
40.3166	66.8666		9/ 9/1963
40.1833	67.0666		6/10/1964
40.2666	66.9333		13/10/1964
40.3333	67.0333		14/10/1964
40.0000	67.0000	13.92	608.3
40.0000	66.8666		22/ 7/1939
40.0000	67.0000		22/ 4/1959
40.0000	67.0000		22/ 4/1959
40.0000	67.0000		22/ 4/1959
40.0000	67.0000		22/ 4/1959
40.0000	67.0166		25/ 8/1965

69-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)	DATES
43.5000	69.0000	27.83	2433.4	
43.6333	69.2166			2/ 8/1912
43.6666	69.0333			8/ 8/1912
43.4333	68.8166			8/ 8/1912
43.6666	69.0333			14/ 8/1912
43.6166	69.0166			22/ 8/1912
43.4000	68.8166			11/ 8/1913
43.5666	69.2166			14/ 8/1913
43.6500	68.8166			14/ 8/1914
43.6166	69.2500			2/11/1916
43.3500	68.9666			4/ 3/1920
43.6166	68.7333			1/ 1/1921
43.0000	69.0000	27.83	2433.4	
43.0333	69.3166			10/ 8/1913
43.1666	68.9000			10/ 4/1920
42.5000	69.0000	27.83	2433.4	
42.5333	69.2333			25/ 6/1915
42.0000	69.0000	27.83	2433.4	
41.7833	69.1666			8/ 7/1913
41.5000	69.0000	27.83	2433.4	
41.6833	68.8166			23/ 2/1920
41.3333	69.0833			17/ 5/1920
41.0000	69.0000	27.83	2433.4	
41.1000	68.7000			9/ 7/1913
41.1000	68.8500			23/ 7/1916
40.5000	69.0000	13.92	608.3	
40.5666	68.8666			17/ 5/1920
40.6000	68.9333			16/ 9/1939
40.5333	68.9000			5/ 1/1940
40.5833	69.0833			24/ 4/1951
40.5333	68.9333			19/ 9/1967
40.4666	69.1166			17/ 8/1971
40.2500	69.0000	13.92	608.3	
40.2333	68.8666			8/ 9/1939
40.3000	68.9000			17/ 9/1949
40.2000	68.8500			21/ 4/1954
40.3000	69.1333			28/ 1/1969
40.0000	69.0000	13.92	608.3	
40.1000	68.9500			24/ 7/1916
40.0833	69.0500			18/ 5/1920
39.7500	69.0000	13.92	608.3	
39.7833	68.8500			16/10/1971
39.5000	69.0000	13.92	608.3	
39.5416	68.9000			6/11/1960

71-WEST SECTION

LATITUDE(DEG)	LONGITUDE(DEG)	RADIUS(KM)	AREA(SQ.KM)
		DATES	
41.0000	71.0000	27.83	2433.4
41.0500	70.8500	25/ 8/1914	
41.2000	70.9500	27/ 8/1914	
40.8500	70.9166	22/10/1915	
40.5000	71.0000	27.83	2433.4
40.2833	70.9500	22/ 8/1913	
40.5666	70.7666	25/ 8/1914	
40.4333	70.9333	22/10/1915	
40.0000	71.0000	27.83	2433.4
40.0500	70.6833	26/ 8/1914	
39.5000	71.0000	27.83	2433.4



